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**WO 01/37538 A2**

(54) Title: AUTOMATED SYSTEM AND METHOD FOR SELECTION AND PROCUREMENT OF PRODUCTS AND SERVICES

(57) **Abstract:** An automated system and method for the selection and procurement of products and services by at least one customer from one or more of a plurality of merchants over a general purpose computer network, such as the Internet. The method comprises the steps of: transmitting information about a plurality of products/services offered for sale by each of a plurality of merchants to a database; and organizing the transmitted information for each of the plurality of products/services into a hierarchical categorization in the database based upon a predefined set of categories such that all of the transmitted information for each of the plurality of products/services offered for sale by each of the plurality of merchants is organized in the database in a similar manner. Because of such hierarchical categorization of the database, a customer can perform one search for a desired product/service from the transmitted information for the plurality of merchants and compare the transmitted information from each of the plurality of merchants.

**AUTOMATED SYSTEM AND METHOD FOR  
SELECTION AND PROCUREMENT OF PRODUCTS AND SERVICES**

5    **FIELD OF THE INVENTION**

The invention relates to an automated system and method for the selection and procurement of products and services.

**BACKGROUND OF THE INVENTION**

- Information technology now allows prospective customers to review 10 information about available products and/or services and procure them from suppliers on a real-time, cost-effective and more competitive basis than traditional paper and telephone-based acquisition processes. The sale and purchase of products and services via automated processes utilizing information technologies is sometimes referred to as "electronic commerce."
- 15       Over recent years, many merchants seeking to take advantage of the potential efficiencies of electronic commerce now sell their products and/or services over the Internet in an effort to capitalize on the increased prospective buyer access that the Internet provides. Many such merchants provide a listing or catalog of their available products and services and additional information 20 about such products and/or services such as price, model number, color, etc. on a World Wide Web site for easy access for prospective customers. Prospective customers can use this information to make informed decisions about whether to purchase the products and/or services being offered via the web site.

Notwithstanding this rush to the Internet by the business community, commercial use of the Internet has not met the anticipated potential for a number of reasons. Some of these reasons include the perceived lack of security and the lack of user-friendly transaction methods, many of which are 5 not as efficient as desired.

Because of security concerns, prior electronic procurement systems have been limited to a prospective customer accessing a single merchant web site at a time to ensure the integrity of a secure purchase session. The necessity of completing independent purchase transactions with a plurality of merchants, 10 particularly where items desired by a prospective customer are subject to comparative selection, presents a significant barrier to the prospective customer's ability to conveniently and efficiently select and purchase products and/or services online.

Another problem encountered with electronic procurement systems has 15 been the inability to develop a system which enables all users of the system, customers and merchants and others, to access and use the procurement system without the need to purchase additional hardware and/or software for compatibility requirements with the procurement system. Many prospective users of such procurement systems have already made substantial investments 20 in their computer systems. Different prospective users' computer systems frequently use different operating systems and different data formats and, thus,

prospective users of an electronic procurement system may experience compatibility problems which hamper their use of such procurement systems.

Additionally, prior electronic procurement systems have been deficient because, when using such prior systems, once a customer has placed an 5 electronic order, there is no means for the customer to confirm receipt of the order by the merchant. Moreover, the customer typically has no means to track the status of the order and obtain information regarding when products ordered will be shipped.

Yet another deficiency inherent in prior electronic product/service 10 procurement systems is the inability of the parties to a transaction to negotiate the terms and conditions of a particular transaction on a real-time basis online.

The prior systems required the customer to either agree to standard predetermined terms and conditions of a merchant for purchase of the merchant's products/services or refrain from making the desired purchase.

15 Accordingly, there exists a need for an automated system and process for the selection and procurement of products and services which is user-friendly, efficient and which provides for secure transaction processing. Additionally, the need exists for such system to allow customers to perform comparison shopping among products or services being offered by multiple different merchants for 20 procurement of a desired product or service from among those compared which best fulfills the customer's needs. Furthermore, there is a need for such a system to be designed such that there is no requirement that a user of such

system make a significant investment in additional hardware or software in order to use such procurement system. Moreover, there is a need for an automated procurement system to allow parties to a particular transaction to negotiate the terms and conditions for such a transaction on a real-time basis online. There is  
5 also a need for an automated procurement system which allows a customer to track the status of an order once the order is placed with a particular merchant on a real-time basis.

#### SUMMARY OF THE INVENTION

It is, accordingly, an object of the present invention to provide an  
10 automated system and method for the selection and procurement of products and services which is easy to use, which enables customers to procure needed products and services in an efficient and cost-effective manner and which provides for secure transaction processing.

It is an additional object of the present invention to provide an automated  
15 system and method for the selection and procurement of products and services which allows a customer to perform comparison shopping among products or services being offered by multiple different merchants before purchasing a desired product or service from among those compared which best fulfills the customer's needs.

20 It is a further object of the present invention to provide an automated system and method for the selection and procurement of products and services which does not require that a user of such system and method purchase

additional hardware or software in order to make use of such system and method.

Yet another object of the present invention is to provide an automated system and method for the selection and procurement of products and services  
5 which enables parties to a particular transaction to negotiate the terms and conditions for such transaction online on a real-time basis.

It is an additional object of the present invention to provide an automated system and method for the selection and procurement of products and services which allows a customer to track the status of an order once the order is placed  
10 with a particular merchant on a real-time basis.

Additional objects and advantages of the invention will be set forth in the description which follows or may be learned by practice of the invention.

To achieve the foregoing objects, and in accordance with the purposes of the invention as embodied and broadly described herein, there is provided an  
15 automated method for the selection and procurement of products and services by at least one of a plurality of customers from one or more of a plurality of merchants over a general purpose computer network, comprising the steps of:  
a. transmitting information about a plurality of products/services offered for sale by each one of the plurality of merchants via a merchant server to a database  
20 stored in a database server over said general purpose computer network;  
b. organizing the transmitted information for the plurality of products/services for each of the plurality of merchants into a hierarchical categorization in the

database, the hierarchical categorization being based upon a predefined set of categories such that the transmitted information for the plurality of products/services is organized in the database in a similar manner for each of the plurality of merchants; c. serving from the host server a web page having a

5 predetermined URL identifying a location of the host server in response to a first access request transmitted by the one of the plurality of customers to the host server via a browser of a customer server for the one of the plurality of customers over the general purpose computer network; d. transmitting a second access request and authorization information from the browser of the customer

10 server of the one of the plurality of customers to the host server over the general purpose computer network, the authorization information identifying a transaction and access approval level for the one of the plurality of customers;

e. verifying the authorization information and the transaction and access approval level and transmitting a verification notification from the host server to

15 the browser of the customer server of the one of the plurality of customers via the general purpose computer network; f. transmitting at least one search request from the browser of the customer server of the one of the plurality of customers to the database server, the at least one search request corresponding to one of the predefined set of categories for retrieving information from the

20 database about a desired product/service from the transmitted information for each of the plurality of merchants; g. serving at least one of a plurality of web pages from the database server to the browser of the customer server of the

one of the plurality of customers via the general purpose computer network in response to the at least one search request, the web pages corresponding to retrieved information from the database about the desired product/service for each of the plurality of merchants; h. comparing the retrieved information about 5 the desired product/service for each of the plurality of merchants and selecting one or more of a plurality of products/services from the retrieved information about the desired product/service; i. transmitting a purchase order request from the browser of the customer server of the one of the plurality of customers to the host server via the general purpose computer network if the one of the 10 plurality of customers decides to purchase the one or more selected product/service; j. transmitting a notification of the purchase order request from the host server to the server of the each of the plurality of merchants for each of the one or more selected product/service; and k. transmitting an acceptance 15 of the purchase order request from the server for each of the plurality of merchants for each of the one or more selected product/service to the browser of the customer server of the one of the plurality of customers via the general purpose computer network.

The automated system for the selection and procurement of products and services by at least one of a plurality of customers from one or more of a 20 plurality of merchants over a general purpose computer network comprises:  
a. host server means, connected to the general purpose computer network, for transmitting information to and receiving information from the at least one

customer and the plurality of merchants; b. merchant server means for each of the plurality of merchants, the merchant server means being connected to the host server means via the general purpose computer network, for transmitting information to and receiving information from the host server means;

5 c. customer server means for the one customer, connected to the host server means via the general purpose computer network, for transmitting information and a plurality of search requests to and receiving information from the host server means; and d. database server means, connected to the host server means, for transmitting information to and receiving information from the host

10 server means, the database server means including product/service database storage means for receiving and storing product/service information transmitted by each of the plurality of merchants relating to a plurality of products/services offered for sale by each of the plurality of merchants; and database search engine means for servicing the plurality of search requests transmitted by the

15 one customer via the customer server means over the general purpose computer network to the host server means and to the database server means, the plurality of search requests relating to a desired product/service, and for retrieving the desired product/service information in response to the search requests, wherein the retrieved desired product/service information is from the

20 transmitted product/service information of each of the plurality of merchants.

The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate one embodiment of the invention and, together with the description, serve to explain the principles of the invention.

## 5 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram illustrating an automated system for the selection and procurement of products in accordance with a preferred embodiment of the present invention;

FIGS. 2A-2E are flow charts illustrating the steps in a method a customer using the automated system will take to access the system and perform searches for desired products/services;

FIGS. 3-41 are sample screen displays illustrating example searches in accordance with the process steps illustrated in FIGS. 2B-2E;

FIG. 42 is a flow chart illustrating the steps for processing a customer's Purchase Order request in accordance with the system and method of the present invention; and

FIG. 43 is a flow chart illustrating the steps for performing a solicited electronic quote process in accordance with the system and method of the present invention.

## 20 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Reference will now be made in detail to the present preferred embodiment of the invention, an example of which is illustrated in the accompanying

drawings in which like reference characters refer to corresponding elements.

FIG. 1 illustrates an automated system for the selection and procurement of products and services by one or a plurality of customers from one or more of a plurality of merchants over a general purpose computer network in accordance 5 with the present invention. As shown in FIG. 1, the system 100 makes use of a client/server system architecture to conduct transfer protocol connections between client and host server computer systems. System 100 is designed for use by a plurality of classes of potential users including a plurality of potential and actual customers 10, a plurality of merchants 20, a plurality of 10 manufacturers 30, and a plurality of distributors 40. The general purpose computer network may be the Internet 5 or another suitable general purpose computer network.

In order for the system 100 to support many hundreds of prospective users while maintaining a balance on the load on the system 100, system 100 15 includes a scalable system architecture 55 comprised of a plurality of clustered multi-server groups and multi-path network layer systems, such as distributed IBM Netfinity 7000 multi-process (network and database) servers. The IBM Netfinity 7000 servers are designed to support approximately 20,000 hits (or unencrypted page queries) per hour and 2000 secure socket layer (SSL) 20 encrypted hits per hour. The system 100 networking infrastructure uses Wide Area Network (WAN) Access switches, such as the cell/packet switches offered by 3Com and CoreBuilder or other similar switches that have the capability to

support voice, data and video transmission in encrypted and unencrypted formats.

- The plurality of potential users may each gain access to the system 100 via a computer having a connection to the Internet 5 through an Internet access provider and by using a traditional Internet browser application such as Netscape 's Navigator™ or Microsoft's Internet Explorer™ that supports the hypertext transfer protocol (HTTP). In order to gain access to system 100, a user merely inputs the Universal Resource Locator (URL) address for the system 100 web site through the Internet 5 to a host server of system 100. The system 100 makes use of various security features 50 such as Virtual Private Networks (VPNs) among the user base, various firewalls to prevent unauthorized access and Internet-based security protocols such as secure socket layers (SSL). The security features 50 require that a user clear various levels of logins and passwords prior to gaining access to the system 100.
- System 100 further includes a virtual mall 60 with a storefront for each of a plurality of merchants 20. The automated method used in the present invention begins with the transmission of information about a plurality of products and/or services offered for sale by each one of the plurality of merchants 20 via a merchant server to a database server over the Internet 5.
- The database server includes a product/service catalog database 70 for storing product/service catalog information transmitted by each of the plurality of merchants 20 concerning various products and/or services being offered for sale

by each of the merchants 20. Each merchant 20 may upload its own product/service catalog to the database server. For example, a particular merchant 20 would typically provide a listing of all products/services it offers; a manufacturer, supplier or brand name for each of the products or services; a

5 model or reference number for each product/service used by merchant 20; a listing of colors/styles available and other attributes or characteristics for each particular product; a size(s) of packages(s) available for each particular product; a generic category or department for each particular product; at least one price for each product/service offered; a number of each such product/service in

10 current inventory; a listing of technical information about each product/service; a picture of each product; and other similar information. Each merchant 20 can also input multiple different prices for each product or service. For example, a merchant 20 may want to offer a product for sale to different classes of customers 10 and use different prices for each different class of customers 10.

15 Or, a merchant 20 may want to offer discounted prices at certain periods of time or discounted prices based upon the volume of products purchased by a customer 10. The catalog database 70 will accept multiple prices for a particular product. The product/service catalog database 70 is one unitary database which includes all products/services being offered by the plurality of

20 merchants 20 which are authorized to use system 100 and which have storefronts on the virtual mall 60. In this manner, each individual merchant 20 need not maintain its own product/service database on its own client server

system, thereby freeing up much needed memory and bandwidth on the merchant's server for other applications. Once the product/service catalog database 70 is initially populated, each individual merchant 20 need only send periodic updates to the system 100 database server. Each individual merchant

5       20 may be relieved from the time and resources it would otherwise utilize to maintain its own product/service catalog database.

The system 100 product/service catalog database 70 can be maintained and powered by use of the IBM Net.Commerce Pro application, or similar database engine which can support at least 150 separate merchant 20 storefronts. The system 100 product/service catalog database 70 is compatible with the UNIX, IBM OS/390, IBM OS/400 and Windows NT mainframe operating systems.

Once each merchant 20 transmits its own product/service catalog (a merchant 20 subcatalog) information to the system 100 database server, the system 100 administrator configures the merchant 20 subcatalog for input into the unitary product/service catalog database 70. The transmitted information for the plurality of products/services for each of the plurality of merchants 20 is organized in a hierarchical categorization in the catalog database 70 based upon a predefined set of categories such that the transmitted information for the plurality of products/services is organized in the catalog database 70 in a similar manner for each of the plurality of merchants 20. To do this, the catalog database 70 makes use of a fixed taxonomy structure. Each storefront will

have the same hierarchical configuration or categorization. The highest level of categorization within each storefront will be a plurality of generic Groups of products/services such as, for example, automotive products/services, information technology products/services, electronics products/services, etc.

- 5 The Groups are then divided into a plurality of Categories or Departments. For example, for the information technology Group, the Categories or Departments could be organized in a way similar to those shown in FIG. 18, including Accessories & Supplies, Education, Memory, Network & Communication, Printed Information, Applications Software, Storage Devices/Enclosures, Chassis,
- 10 Enhancement Products, Motherboards, Power Equipment, Printers & Plotters, Communications Software, Telephony, Computers/Terminals, Input Devices, Multifunctional Devices, Premise Wiring & Rack Systems, Services & Agreements, Systems Software and Video Adapters & Displays Categories or Departments.
- 15 Each Category or Department is then further subdivided into Subcategories. For example, as shown in FIGS. 18-24, the Accessories & Supplies Category or Department includes as Subcategories: Cables & Connectors, Camera Accessories, Carrying Cases, Cases & Covers, CPU Mounting Kits & Accessories, Desk Accessories, Label Supplies, Floppy Disks,
- 20 Optical Disks, Removable Disks, Tape Cartridges, Monitor Accessories, Notebook Accessories, Other Accessories & Equipment, Paper Supplies, Printer Accessories, Printer Supplies, Scanner Accessories and Switches & Boxes.

Then, each Subcategory is further divided into a plurality of different Products or Services. For example, as shown in FIG. 18, there are 2223 different cables and connector Products in the catalog database 70. Each Product then may have a plurality of different attributes by which it may be described. For 5 example, a specific cable Product may have the attributes of length, color, type of material (e.g., nylon, plastic, rubber, etc.). The next hierarchical level of organization below the Product level in the catalog database 70 is the Item level. For example, for a particular cable Product, the manufacturer of such cable Product may have multiple different items for such Product based upon different 10 attributes of the Product, e.g., color, length, etc. Because of this fixed taxonomy structure for the catalog database 70, a customer 10 may perform searches across the entire mall 60 for all products/services offered by all merchants 20 within the mall 60. The fact that each merchant 20 inputs products/service catalog information down to the attribute level of detail is what 15 enables customers 10 to have powerful searching capabilities across database 70.

Following the population and structural configuration of the catalog database 70, as shown in FIG. 2A, a typical customer 10 that wishes to use system 100 will first, in step 210, access a web site portal for system 100 by 20 inputting the web site URL into the customer's Internet browser. The host server of system 100, in response, will serve a web home page of system 100. The home page of system 100 will have hyperlinks to various applications and

utilities available for use by users of system 100, including a hyperlink to the virtual mall 60. In step 220, upon accessing the home page of the system 100 web site, the customer 10 must first gain approval for entry to the virtual mall 60. The system 100 will first determine whether or not the customer is a first-time user of system 100. If the query in step 220 is answered affirmatively, then, in step 230, the customer 10 must register with the system 100 administrator to verify the customer 10's authorization level for use of system 100. System 100 then verifies the customer 10's authorization information and the transaction and access approval level and transmits a verification notification 5 from the host server to the browser of the customer server via the Internet 5.

For example, if the customer 10 is also a merchant 20, the merchant 20 will only be authorized to shop and view product/service prices at that merchant 10's storefront or at storefronts of other merchants 20 which authorize the merchant 20's access. If the customer 10's only status is as a customer 10, 15 the customer 10 will obtain a registration to shop at any and all storefronts on the mall 60 and will have the ability to view all price data available for the customer 10's specific customer class. If the customer 10 falls within a special customer class for which merchants 20 have special pricing, the customer 10 must establish that he/she falls within the special customer class before he/she 20 will be granted approval to view the special pricing terms. For example, if merchants 20 offer special pricing for government customers 10, then the customer 10 will need to access the mall 60 via a .gov or .mil address and/or

through use of x509 certificates to verify that the customer 10 is a government customer 10. If a particular customer 10 does not register with the system 100 administrator, then, in step 240, the customer 10 may only access each merchant 20's retail pricing information and will not obtain authorization to

- 5 access the more specialized pricing information. Registration and authorization levels may be further defined as necessary. For example, certain customers 10 may have limited purchasing authority based on a limit on a dollar value of purchases they are authorized to make.

Once customer 10 is registered for use of the system 100, such customer  
10 need not register again upon a subsequent access to the system 100 mall  
60. In step 250, once the customer 10 is verified to have authority to access system 100 by the system 100 administrator, the system 100 administrator assigns a unique login id for such customer 10 to use to gain access to system 100 upon subsequent visits to the system 100 mall 60. Thereafter, if the query  
15 in step 220 is answered in the negative (meaning that the customer 10 is not a first-time user), then, in step 260, the customer 10 may access the mall 60 from any computer and need not access the mall 60 from a .gov or .mil address, for example. The customer 10 simply inputs the unique login id and is granted access to mall 60.  
  
20 Once the customer 10 is authorized to access mall 60, in step 270, the customer 10 may then perform searches for a desired product or service. To do this, customer 10 transmits at least one search request relating to at least one

desired product/service from the browser of the customer server to the host server which then routes it to the database server. The search request corresponds to one of the predefined categories used to arrange the hierarchical structure of the database 70. Database 70 includes database search engine means which services such search requests of customers 10 and retrieves product/service information stored in the database 70 relating to the desired product/service from among the transmitted product/service information from each of the plurality of merchants 20 in response to such search requests. The customer 10 may enter a storefront of a particular merchant 20 or may search across the storefronts of all of the merchants 20 included in the mall 60. In step 280, and as further illustrated in FIG. 3 which shows the screen display for the home page of mall 60, customer 10 may perform product/service searches by inputting a search query which defines a desired product/service by Category or Department, or by Manufacturer or supplier name (e.g., IBM, Compaq). For example, as shown in FIG. 2B, if customer 10 wanted to perform a search by manufacturer name in step 280, such customer 10 would click on the "Manufacturer" button (shown in FIG. 3). In response to the search request, the database search engine means will search the transmitted product/service information stored in database 70 for each of the plurality of merchants 20, retrieve such product/service information as meets the search request parameters, transmit the retrieved product/service information via the database server to the host server of system 100 wherein the host server transmits the

information to the customer 10's server via the Internet 5. The customer 10's server then serves at least one web page corresponding to the retrieved product/service information about the desired product/service. For example, in response to customer 10's search request in step 280, a web page such as the 5 screen display shown in FIG. 4 would be served. In step 281, customer 10 would then search for the specific manufacturer of the desired product/service by clicking on the button with the first letter of the manufacturer's name. For example, if customer 10 wanted to purchase a computer workstation manufactured by Compaq, customer 10 would click on the "C" button shown in 10 FIG. 4. The catalog database 70 search engine would perform a search across all storefronts on the mall 60 and all transmitted product/service information stored in the database 70 for the plurality of products/services offered by each of the plurality of merchants 20 for all listings with a manufacturer/supplier name beginning with the letter "C." Customer 10 would then be served a series 15 of web pages, such as those shown in FIGS. 5 to 9, showing all products/services manufactured/supplied by manufacturers/suppliers with names beginning with a "C" that are available for purchase in the mall 60 regardless of the merchant 20 offering such products/services. In step 282, the customer 10 would then click on the button for the product desired, "COMPAQ 20 WORKSTATIONS". Web pages such as those shown in FIGS. 10 to 16 are served to customer 10 setting forth all products across all of the merchant 20 storefronts and through all transmitted product/service information stored in the

database 70 for the plurality of products/services offered by the plurality of merchants 20 that are either COMPAQ WORKSTATIONS or are designed for use with COMPAQ WORKSTATIONS, such as mouses, adaptors, floor stands, etc.

The products are listed from the product/service with the lowest price to the

- 5      product/service with the highest price. Each product/service listing includes a merchant's part number, whether or not quantity-based discounts on the price are offered, a more specific description of the product/service, the manufacturer's part number for each product, and the weight of each product.

Customer 10 will then compare the retrieved product/service information

- 10     from the search request and select one of the products/services. As shown in step 282, the customer 10 may click on the "Buy" button for a particular product/service if customer 10 wishes to purchase such product/service and it will be put into a "shopping cart" similar to that shown in FIG. 17. The shopping cart saves each product the customer 10 wishes to purchase until
- 15     such time as customer 10 is ready to "checkout" before exiting the mall 60. In this manner, the customer 10 may make multiple purchases from multiple merchants 20 in a single checkout.

In step 283, customer 10 could alternatively perform a search by Product category instead of by Manufacturer, as shown in FIG 2C. Customer 10 will

- 20     click on the "DEPARTMENTS" button, shown in FIG. 3. Web pages similar to those shown in FIGS. 18-24 would be served to the customer 10's browser.

After customer 10 selects a particular Product category, in step 284, web pages

having detailed product informational listings similar to those in FIGS. 11-16 would be served to the customer 10's browser, at which point, in step 285, customer 10 could again select a specific product desired for purchase by clicking on a specific product listing and the selected product will be saved to  
5 the shopping cart.

In step 286, as shown in FIG. 2D, if customer 10 instead wanted to perform a more powerful search request which utilizes multiple filters at once instead of using a single search parameter at a time and performing multiple search requests as detailed above, customer 10 could click on the "POWER  
10 SEARCH" button. A web page such as that shown in FIG. 25 would be served to the customer 10's browser. From the POWER SEARCH web page, in step 287, customer 10 could then input and transmit a search request having more than one search parameter from any of a combination of search parameters including manufacturer, product description, part number, specific attribute  
15 name or value, price, and/or department search parameters. Web pages including a detailed product listing for each of a plurality of products meeting the search parameters would then be served to customer 10's browser. An example of a "POWER SEARCH" search request is shown in FIGS. 26-32.  
There, the POWER SEARCH requested all COMPAQ WORKSTATION products in  
20 all categories and subcategories. At step 288, if customer 10 wishes to have more detailed information about a particular product on the listing, in step 289, customer 10 may click on the "P" (Product Info) button beside that product.

The database search engine retrieves the more detailed information and the customer 10's browser will serve web pages similar to those in FIG 10. These web pages provide customer 10 with more detailed specifications for the particular product, in this case, information such as operating system supported,

5 minimum system Random Access Memory (RAM) required and other equipment required for use of the particular product. Additionally, system 100 can provide hyperlinks from each particular product back to the particular product manufacturer's web site for more detailed information.

If customer 10 did not seek the more detailed product information about

10 the particular product at step 288 then, in step 290, customer 10 may seek information on the current inventory status for the particular product. In order to do so, in step 291, customer 10 clicks on the "I" button beside the particular product, and the database search engine searches for current inventory information for the particular product from each of the plurality of distributors

15 using system 100. Web pages similar to those shown in FIGS. 36 and 37 listing such inventory information will be served to customer 10's browser.

In step 292, if customer 10 desires to find a plurality of products which are comparable to the particular product on the product listing then, in step 293, customer 10 could instead click on the "Q" button next to the particular product

20 listed in the product listing and obtain information about different products comparable to the particular product in the same category hierarchy that are priced within 25% of the price of the particular product. Illustrative web pages

are shown in FIGS. 33-35. At any point following any of steps 289, 291, 292 or 293, customer 10 may click on the "Buy" button in step 295 after selecting a product he/she wishes to purchase and the selected product will be saved to the shopping cart until customer 10 is ready to checkout of mall 60.

- 5        In step 296, customer 10 can alternatively perform a search for desired services instead of products by clicking on the "SERVICES" button. For example, if customer 10 needed services in the information technology area, a web page such as that in FIG. 38 is served to customer 10's browser. Then, in step 297, customer 10 may select from a plurality of different labor categories
- 10      for services such as software developers, network engineers, training specialists, etc. The labor categories web page of FIG. 38 also shows the applicable hourly billing rate for each of the plurality of labor categories. From this web page, in step 298, customer 10 may download the service provider merchant 20's standard service contract from the system 100 server to
- 15      customer 10's server, input the required information into the contract form in step 299, and then, in step 300, submit the completed form contract to the service provider merchant 20 via an email attachment transmitted over the Internet 5 to the service provider merchant 20's server.

- After customer 10 has compared the retrieved information about the
- 20      desired product/service from among the plurality of products/services offered for sale by each of the plurality of merchants 20 and has selected one or more of such products/services for potential purchase (the selected one or more

products/services being saved in the SHOPPING CART), in step 400, customer 10 transmits a purchase order request from the browser of customer 10's server to the host server of the system 100 via the Internet 5 if customer 10 decides to purchase one or more of the selected products/services saved in the

5 SHOPPING CART. To do this, customer 10 performs a checkout. Customer 10 clicks on the "CHECKOUT" button from any web page to link to a CHECKOUT web page. For example, there is a "CHECKOUT" button at the SHOPPING CART web page as shown in FIG. 17. There is also a CHECKOUT button at the home page of the system 100 web site, as shown in FIG. 3. There are

10 CHECKOUT buttons at various additional locations as shown in FIGS. 4, 5, 10, 18, 25, 26, 33, 36 and 38. Web pages for an HTML Purchase Order form similar to the ones shown in FIGS. 39-41 are then served to customer 10's browser. Then, the customer 10 must input the required information on the Purchase Order form including the shipping address for each product ordered

15 (system 100 has the capability to enable shipping to multiple locations), the billing address, the desired method for shipment (e.g., ground, overnight, two-day), and the method of payment (e.g., credit card, cash, financing).

If a customer 10 wishes to use a credit card for the purchase in step 400, system 100 supports MOSET-based IMPAC credit card transactions, merchant-  
20 originated secure electronic transactions (SET) protocol via use of an IBM payment server, or SET wallet transactions where the customer 10 has a pre-approved SET wallet. Additionally, system 100 supports the IntraGovernmental

Transfer System (IGOTS) which makes use of the U.S. Treasury's Plastic Card Network (PCN) agreement and the U.S. General Services Administration's (GSA) SmartPay contract to process intragovernmental credit cards for any intragovernmental transactions. These transaction protocols require that a

5 customer 10 have a secure Internet browser which supports encryption by means of the secure socket layer (SSL) security protocol such as Microsoft's Internet Explorer™ or Netscape's Navigator™. System 100 also makes use of a common trusted third-party electronic commerce certification authority (CA), such as VeriSign or Entrust. A CA is used for authentication of the identity of

10 parties to a transaction, validation of a transaction and to repudiate a party's authority to transact. The customer 10 will need to apply to the CA for a certificate. The customer 10's certificate will contain a public encryption key for the customer 10's use and a private encryption key of the CA. When customer 10 transmits the Purchase Order request form in step 400, the

15 transmission also includes the customer 10's certificate. System 100's host server will route the transmitted encrypted Purchase Order request form and the customer 10's certificate to the server for the appropriate merchant 20 with an encrypted transaction message which includes customer 10's payment. The merchant 20 transmits the customer 10's encrypted transaction message to the

20 issuing CA and the CA decrypts the customer 10's message with payment information. The customer 10's transaction message is then reformatted by the CA according to traditional credit-card message formats and the CA

transmits the customer 10's transaction message to a financial institution that issued the customer 10's credit card via the financial institution's credit card network. The financial institution then determines whether or not to approve the customer 10's transaction and transmits an approval or denial code to the  
5 merchant 20's server.

If customer 10 instead wishes to apply for financing to fund the purchase in step 400, customer 10 will submit a credit application request to the system 100 host server. System 100's host server will serve a credit application form to the customer 10's browser. Customer 10 must then input the required  
10 information into the credit application form and may then submit it via an email attachment transmitted over the Internet 5 to the host server for system 100. The host server for system 100 routes the completed credit application to one or more of a plurality of financing sources, e.g., banks. If customer 10's credit  
15 application is approved, customer 10's Purchase Order request may then be processed.

Once customer 10's Purchase Order request is submitted for processing, as illustrated in FIG. 42, in step 410, the host server of system 100 may transmit an inventory status request to one or more of the plurality of distributors 40 in order to verify the availability of each product/service ordered  
20 by customer 10. If a product/service is verified as available then, in step 420, the Purchase Order request submitted by customer 10 is parsed by system 100 into separate purchase order requests for each merchant 20 for each

product/service ordered. System 100 then transmits a notification of the Purchase Order request to each of the merchants 20 for each of the selected one or more products or services ordered by customer 10. In step 430, system 100 also saves the data included in each Purchase Order request in a Purchase 5 Order database 71 (shown in FIG. 1) for use in tracking the status of each Purchase Order request. For this purpose, system 100 assigns a unique Purchase Order request tracking number or id to each Purchase Order request. If a specific merchant 20 accepts a transmitted Purchase Order request, then, in step 440, the merchant 20 may transmit information to customer 10 via email 10 confirming the acceptance of the Purchase Order request and an anticipated shipment/delivery date or may simply ship the ordered product to customer 10 as an alternative means for acceptance of the Purchase Order request. In step 450, the customer 10 receives the shipment from the merchant 20. Then, in step 460, the customer 10 notifies system 100 of the receipt of the shipment 15 so that the Purchase Order status information saved in the Purchase Order database 71 may be updated. In step 470, the merchant 20 may transmit an invoice for payment to customer 10 via email over the Internet 5 to the customer 10's server if customer 10 did not previously provide payment via credit card when the Purchase Order request was initially transmitted. In 20 response to the transmitted invoice, customer 10 may transmit payment to merchant 20. Since status information concerning the Purchase Order request is transmitted to the Purchase Order database 71 at various stages in this process,

- customer 10 may 1) transmit an email query to the host server of system 100 at any time during this process (see FIG. 3) and receive a return email communication from the host server of system 100 which communicates information concerning the current status of the Purchase Order request or
- 5 2) check on the status of the Purchase Order request via accessing a specific web reporting page on system 100 accessible via hypertext transfer protocol (http) request. The Purchase Order database 71 may also be linked to servers of various shippers, such as the United Parcel Service, Federal Express and the United States Postal Service via the Internet 5. Since each of these shippers
- 10 has its own shipment tracking number system, the shippers' tracking numbers for shipments can be correlated to the system 100 unique Purchase Order id for more complete tracking of the status of any particular Purchase Order request.
- If a product/service ordered by customer 10 is unavailable at the time customer 10 transmits the Purchase Order request, the host server of system
- 15 100 will transmit an email message to customer 10's server via the Internet 5 notifying customer 10 that the product/service is unavailable and that customer 10's Purchase Order request will be placed on backorder status. Once the backordered product/service becomes available, the host server of system 100 transmits an email notification of the product's availability and a query to
- 20 customer 10's server via the Internet 5 asking whether or not customer 10 still wishes to purchase the backordered product/service.

If the customer 10 is dissatisfied with a product once it is received, customer 10 may submit a return form via email to the host server of system 100 seeking to return the product to the merchant from which the product was purchased. An HTML format return form for this purpose can be downloaded to 5 the customer 10's server from the system 100 home page (see FIG. 3).

System 100 has additional features beyond the selection and procurement processes described above. For example, because each registered customer 10 has a unique login id, system 100 may generate Monthly Purchasing Information Reports in HTML format for each registered customer 10. These Monthly

10 Purchasing Information Reports can include information such as a summary of all products/services ordered for each registered customer 10, a listing of each merchant 20 from which customer 10 ordered each product/service with the dollar value of each of such orders, a listing of each product/service on backorder status, a listing of each destination to which each ordered 15 product/service was delivered, a total dollar value budgeted for each product/service on backorder status and other similar types of information.

Additional electronic reporting data which system 100 may provide to interested users of system 100 includes various web site metrics such as the number of hits for (or accesses of) each storefront for each merchant 20 in the mall 60, the 20 areas browsed within the mall 60 by each customer 10, the retrieved information for each customer 10, a number of purchase order requests transmitted by each customer 10, and other similar information. This electronic

reporting data can provide a unique customer 10 reference number for each  
customer 10 shopping in the mall 60, a logon timestamp for each shopping  
session for each customer 10, the IP address of each customer 10 server, a  
server host name for each customer 10 server, a query string showing the  
5 queries executed by each customer 10 in a shopping session, a referrer URL if a  
customer 10 accessing the mall 60 has accessed the mall 60 via a hyperlink  
from another website, a log of all errors a customer 10 experienced when  
processing a HTTP search request, a number of times each product category  
was accessed by a particular customer 10 or by a plurality of customers 10, and  
10 other similar types of web site metrics. Merchants 20 may make use of such  
web site metrics to redirect their marketing and promotional activities towards  
specific customers 10 or towards particular products.

As shown in FIG. 1, System 100 also includes a web-based Interactive  
Past Performance Reporting (IPPR) application and database 75 wherein the  
15 users of system 100 may rate their trading partners' performance in the  
execution of particular tasks (i.e., customers 10 may rate the performance of  
merchants 20 and vice versa). System 100 allows this information to be  
submitted online by a user via a standard HTML format text editor. Each  
authorized user of system 100 may access the IPPR application 75 by inputting  
20 a password. The IPPR database 75 includes a series of standardized  
performance report forms in HTML format and, once a user is granted access to  
the IPPR database 75, the user may download a particular form specific to the

performance function being rated. The user then inputs the requested information into the form and submits it to the IPPR database 75 via email transmission over the Internet 5 to the host server of system 100 which then routes the submitted form to the IPPR database 75 for storage therein. In this 5 manner, if the same user later accesses the IPPR database 75 and seeks information about a particular trading partner and the user's past experiences with such trading partner, the user may retrieve that information. Additionally, other users of system 100 may grant the user authority to access the other 10 users' submitted forms stored in the IPPR database 75 regarding such trading partner. The user may also submit updates and modifications to past submitted forms to the IPPR database 75 if the performance of the rated trading partner changes over time.

As shown in FIG. 1, an additional feature of system 100 is that it includes a Solicited Electronic Quotations (SEQ) application and database 80 whereby a 15 customer 10 may solicit quotations for the supply of a desired product/service electronically over the system 100 seeking responses from each of a plurality of interested merchants 20 that desires to respond to the electronic solicitation. This SEQ feature is accomplished through use of a typical Electronic Posting System (EPS) for posting and downloading HTML documents from an Internet 20 web site.

The process for submission and processing of such SEQs is illustrated in FIG. 43. As shown, in step 510, a customer 10 receives access authorization

for the SEQ database 80 by inputting a unique password. Once the customer 10 receives access authorization, in step 520, customer 10 uploads to the SEQ database 80 a SEQ document which includes specific format requirements for responses to the SEQ, the customer 10's Point-of-Contact (POC) information so

5 that an interested merchant 20 may submit a response to the SEQ to the appropriate person, and the customer 10's Statement of Work (SOW) or other document detailing the customer 10's desired product/service needs. Customer 10 may also input information for use by system 100 to create an "Autoforward by Rule" email rule to forward a copy of an email to predefined email addresses

10 specified by customer 10 for each merchant 20 to whom customer 10 wishes to submit its SEQs from among the plurality of merchants 20. In step 530, the email message from customer 10 may then be autoforwarded to customer 10's designated recipient merchants 20 to inform such merchants 20 that customer 10's SEQ has been uploaded to the SEQ database 80. In step 540, system 100

15 may generate a listing and transmit it via email to customer 10 showing all merchants 20 to whom customer 10's email SEQ notification was transmitted.

- In step 550, an interested merchant 20 may access the SEQ database 80, read online and/or download the customer 10's SEQ document to the interested merchant 20's server for further analysis and/or response. In step 560, the

20 interested merchant 20 may prepare and submit a responsive quotation directly to the customer 10's posted POC via email/fax/mail as the customer 10 instructed in the submitted SEQ. In step 570, the customer 10 may make a

selection of a single responsive quotation from analysis of all responsive quotations received for each interested merchant 20 and/or conduct further negotiations with particular interested merchants 20. In order to assist a customer 10 in making a selection of a single responsive quotation from among 5 multiple responsive quotations submitted by the plurality of interested merchants 20, customer 10 may access the IPPR database 75 and obtain information concerning performance ratings for particular interested merchants 20. In step 580, the customer 10 selects a single responsive quotation of a single interested merchant 20 from among all of the responsive quotations submitted by the 10 plurality of interested merchants 20 and may then post a contract award announcement to the SEQ database 80. The contract award announcement may then be auto-forwarded by email to the customer 10's designated recipient merchants 20.

As an added functional feature, a customer 10's auto-forward rule may 15 filter from among the plurality of designated merchants 20 to whom to forward email communications by further specifying that such email communications be sent only to those designated merchants 20 that fall within some pre-established parameters, such as price, SIC code, geographic region or other similar parameter. System 100 may then perform an evaluation by searching across all 20 storefronts in the mall 60 for all designated merchants 20 that meet the parameters (i.e., qualified merchants 20). The system 100 could then transmit a listing to the customer 10's server showing qualified merchants 20 with pricing

from the lowest priced to the highest priced, or with IPPR rankings from the best to the worst, or other similar listings depending upon the parameters specified by the customer 10. In this manner, customer 10 may narrow the universe of merchants 20 responding to an SEQ thereby narrowing the number of interested 5 merchants 20 with whom customer 10 may engage in further negotiations for a particular transaction.

As shown in FIG. 1, system 100 may also be configured in a manner such that the catalog database 70 and virtual mall 60 interface and interconnect to an accounting application 86, such as the one offered by Deltek, or other similar 10 accounting application. In this manner, system 100 may be used by a merchant 20 or a customer 10 to perform all of such merchant 20's or customer 10's back-office accounting necessary to support merchant 20's or customer 10's business operations. Data relating to sales made by such merchant 20 via its storefront on the system 100 mall 60 may be transmitted directly to the 15 accounting application 86. Accounting application 86 may then be used by merchant 20 to generate invoices, track receipts and payables and for other traditional accounting functions. In a similar manner, customer 10 may outsource its accounting functions to system 100 and accounting application 86. Merchant 20 and customer 10 may then realize cost savings due to this 20 outsourcing of their accounting functions.

System 100 also includes interfaces to other applications needed by the users. For example, system 100 includes an extensible markup language (XML)

application or an electronic data interchange (EDI) application 87. Such applications may be desired for use by the users of system 100 in order to convert Purchase Order data which is transmitted in HTML format into another format such as EDI which may be in use in-house in a user's own computers.

- 5 Once the HTML-formatted Purchase Order data is converted to the format which is compatible to the user's in-house data format, it may be transmitted directly into the user's in-house computer system for further use. Users may realize cost savings from such an application because it can save time and resources which may otherwise be required to re-key data from an HTML-formatted
- 10 Purchase Order into the data format required for use by the user's in-house computer system.

System 100 further includes a video teleconferencing application 88 for use by the users of system 100 for engaging in interactive real-time communication, and an online help facility 89 with a Frequently Asked

- 15 Questions (FAQ) section to assist users with answers to questions concerning the use of system 100 and describing the features of system 100, an email link to an administrator for system 100 whereby users may submit email queries for response by the system 100 administrator if the user's queries are not answered in the FAQ section, for example. System 100 also includes a white-boarding
- 20 application 90 whereby users of system 100 may collaborate online with other users in an interactive fashion. The white-boarding application 90 may include an online teleconferencing system such as the system marketed by Videogate,

or another similar system. The system also includes an electronic white board wherein the parties participating in the online teleconference may make use of the white board to illustrate matters being discussed in such teleconference.

System 100 further includes system management and maintenance facilities 95.

- 5      The facilities 95 include network and application monitoring systems and support staff. The functions of facilities 95 include, for example, virus detection, eradication, removal and/or quarantine to filter all input to and output from system 100 to prevent viruses from infecting system 100. System 100 also includes an off-site archival storage facility which replicates data stored in
- 10     databases and other features of system 100 in the event disaster recovery is necessary. System 100 may also include other similar maintenance and support facilities.

It will be apparent to those skilled in the art that various modifications and variations can be made in the system and method of the present invention without departing from the scope or spirit of the invention. Thus, it is intended that the present invention cover the modifications and variations of this invention provided they come within the scope of the appended claims and their equivalents.

WHAT IS CLAIMED IS:

1. An automated method for the selection and procurement of products and services by at least one of a plurality of customers from one or more of a plurality of merchants over a general purpose computer network,  
5 comprising the steps of:
  - a. transmitting information about a plurality of products/services offered for sale by each one of the plurality of merchants via a merchant server to a database stored in a database server over said general purpose computer network;
  - 10 b. organizing the transmitted information for said plurality of products/services for each of said plurality of merchants into a hierarchical categorization in the database, said hierarchical categorization being based upon a predefined set of categories such that the transmitted information for said plurality of products/services is organized in the database in a similar manner for  
15 each of the plurality of merchants;
  - c. serving from the host server a web page having a predetermined URL identifying a location of said host server in response to a first access request transmitted by said one of said plurality of customers to the host server via a browser of a customer server for said one of said plurality of customers over  
20 the general purpose computer network;
  - d. transmitting a second access request and authorization information from the browser of said customer server of said one of said plurality of

customers to said host server over said general purpose computer network, said authorization information identifying a transaction and access approval level for said one of said plurality of customers;

- e. verifying said authorization information and said transaction and  
5 access approval level and transmitting a verification notification from said host server to said browser of said customer server of said one of said plurality of customers via said general purpose computer network;
- f. transmitting at least one search request from the browser of said customer server of said one of said plurality of customers to said database,  
10 server, said at least one search request corresponding to one of said predefined set of categories for retrieving information from said database about a desired product/service from the transmitted information for each of the plurality of merchants;
- g. serving at least one of a plurality of web pages from said database  
15 server to said browser of said customer server of said one of said plurality of customers via said general purpose computer network in response to said at least one search request, said web pages corresponding to retrieved information from said database about said desired product/service for each of the plurality of merchants;
- h. comparing the retrieved information about the desired  
20 product/service for each of the plurality of merchants and selecting one or more

of a plurality of products/services from the retrieved information about the desired product/service;

- i. transmitting a purchase order request from said browser of said customer server of said one of said plurality of customers to said host server via  
5 the general purpose computer network if said one of said plurality of customers decides to purchase said one or more selected product/service;

- j. transmitting a notification of said purchase order request from said host server to the server of the each of said plurality of merchants for each of said one or more selected product/service; and

- 10 k. transmitting an acceptance of said purchase order request from said server for each of said plurality of merchants for each of said one or more selected product/service to said browser of said customer server of said one of said plurality of customers via said general purpose computer network.

2. The automated method as claimed in claim 1 wherein the  
15 predefined set of categories of said hierarchical categorization includes:
    - a. a manufacturer/supplier category, said manufacturer/supplier category for inputting data for identifying a manufacturer/supplier for each one of the plurality of products/services;
    - b. a department category, said department category for inputting data  
20 for identifying a generic field for each one of said plurality of products/services;

c. a model number category, said model number category for inputting data for identifying a unique model number for each one of said plurality of products/services; and

5 d. an attribute category, said attribute category for inputting data for identifying at least one feature for each one of said plurality of products/services.

3. The automated method as claimed in claim 1, further comprising the step of shipping the one or more selected product/service to said one of said plurality of customers following the step of transmitting the acceptance of the  
10 purchase order request.

4. The automated method as claimed in claim 1, further comprising the steps of:

a. transmitting a counter-offer to said purchase order request from said server for one of said plurality of merchants for the one or more selected  
15 product/service to said browser of said customer server for said one of said plurality of customers via said general purpose computer network in response to said notification of said purchase order request; and

b. transmitting an acceptance of said counteroffer from said browser of said customer server of said one of said plurality of customers to said server  
20 for the one of said plurality of merchants for the one or more selected product/service via said general purpose computer network.

5. An automated system for the selection and procurement of products and services by at least one of a plurality of customers from one or more of a plurality of merchants over a general purpose computer network, comprising:

- 5        a. host server means, connected to said general purpose computer network, for transmitting information to and receiving information from said at least one customer and said plurality of merchants;
- 10      b. merchant server means for each of said plurality of merchants, said merchant server means being connected to said host server means via said general purpose computer network, for transmitting information to and receiving information from said host server means;
- 15      c. customer server means for said one customer, connected to said host server means via said general purpose computer network, for transmitting information and a plurality of search requests to and receiving information from said host server means; and
- 20      d. database server means, connected to said host server means, for transmitting information to and receiving information from said host server means, said database server means including product/service database storage means for receiving and storing product/service information transmitted by each of said plurality of merchants relating to a plurality of products/services offered for sale by each of said plurality of merchants; and

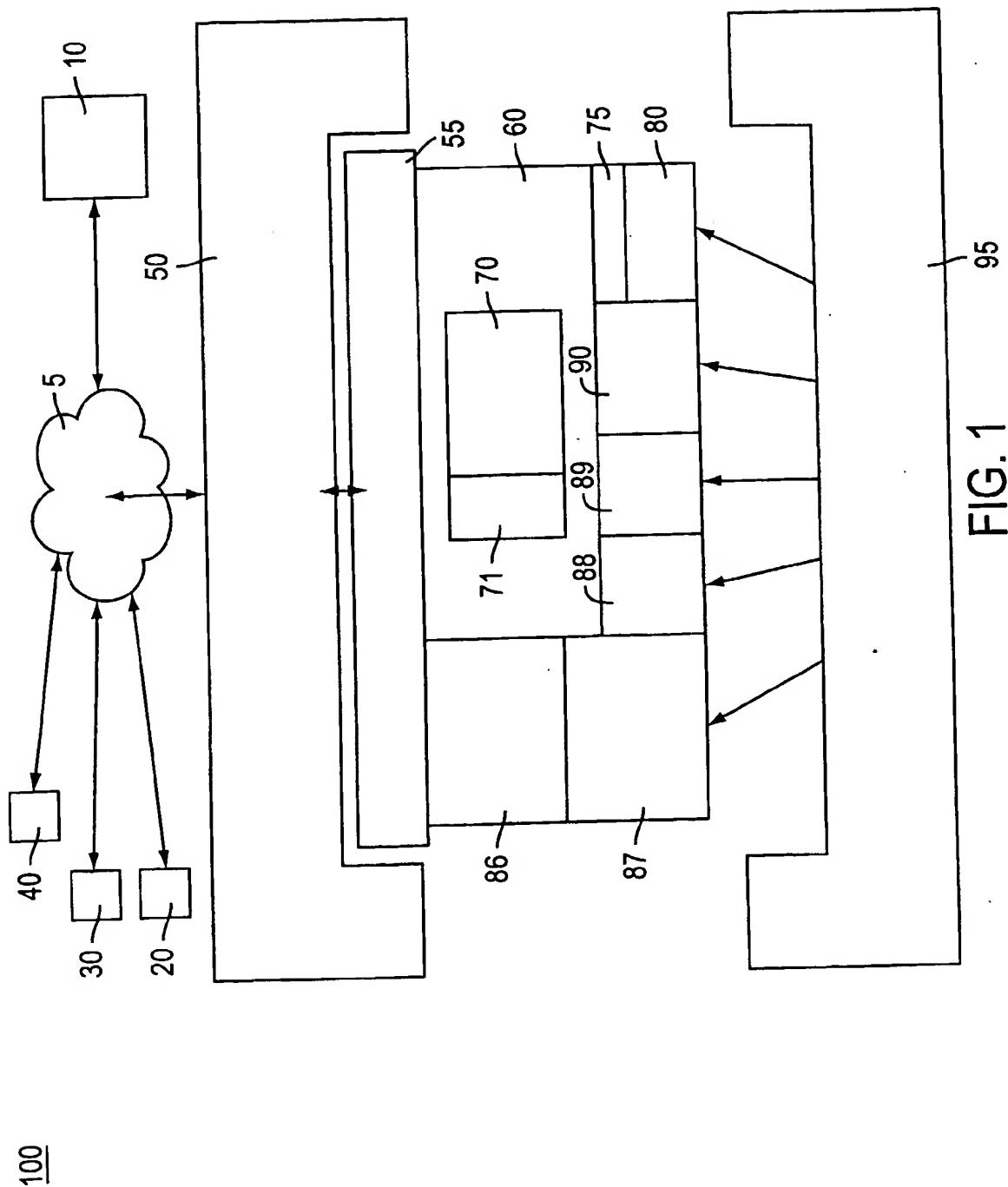
database search engine means for servicing said plurality of search requests transmitted by said one customer via said customer server means over said general purpose computer network to said host server means and to said database server means, said plurality of search requests relating to a desired product/service information, and for retrieving said desired product/service information in response to said search requests, wherein said retrieved desired product/service information is from said transmitted product/service information of each of said plurality of merchants.

- 5        6.        The automated system as claimed in claim 5 wherein the transmitted product/service information of each of said plurality of merchants is stored in said product/service database storage means in a hierarchical categorization of a plurality of categories, said plurality of categories including:
  - a.        a manufacturer/supplier category including information for identifying a manufacturer/supplier for each one of said products/services;
  - b.        a department category including information for identifying a generic field for each one of said products/services;
  - c.        a model number category including information for identifying a unique model for each one of said plurality of said products/services; and
  - d.        an attribute category including information for identifying at least one feature for each one of said plurality of said products/services.
- 10      15      20

7.        The automated system as claimed in claim 5 further comprising solicited electronic quotation database means, connected to said host server

means, for receiving and storing information from said one customer relating to solicitations of quotations from said plurality of merchants.

8. The automated system as claimed in claim 5 further comprising:
  - purchase order request means, connected to said host server means and
  - 5 to said customer server means via said general purpose computer network, for receiving information transmitted by said one customer relating to one or more selected product/service from said retrieved desired product/service information for purchase by said one customer and for generating a purchase order request in response to the receipt of said selected product/service and for transmitting
  - 10 said purchase order request to one of said plurality of merchants offering said selected product/service for sale; and
  - purchase order response means, connected to said merchant server means for said one merchant and to said host server means via said general purpose computer network, for receiving said transmitted purchase order
  - 15 request and for generating an acceptance of said purchase order request in response to said purchase order request.



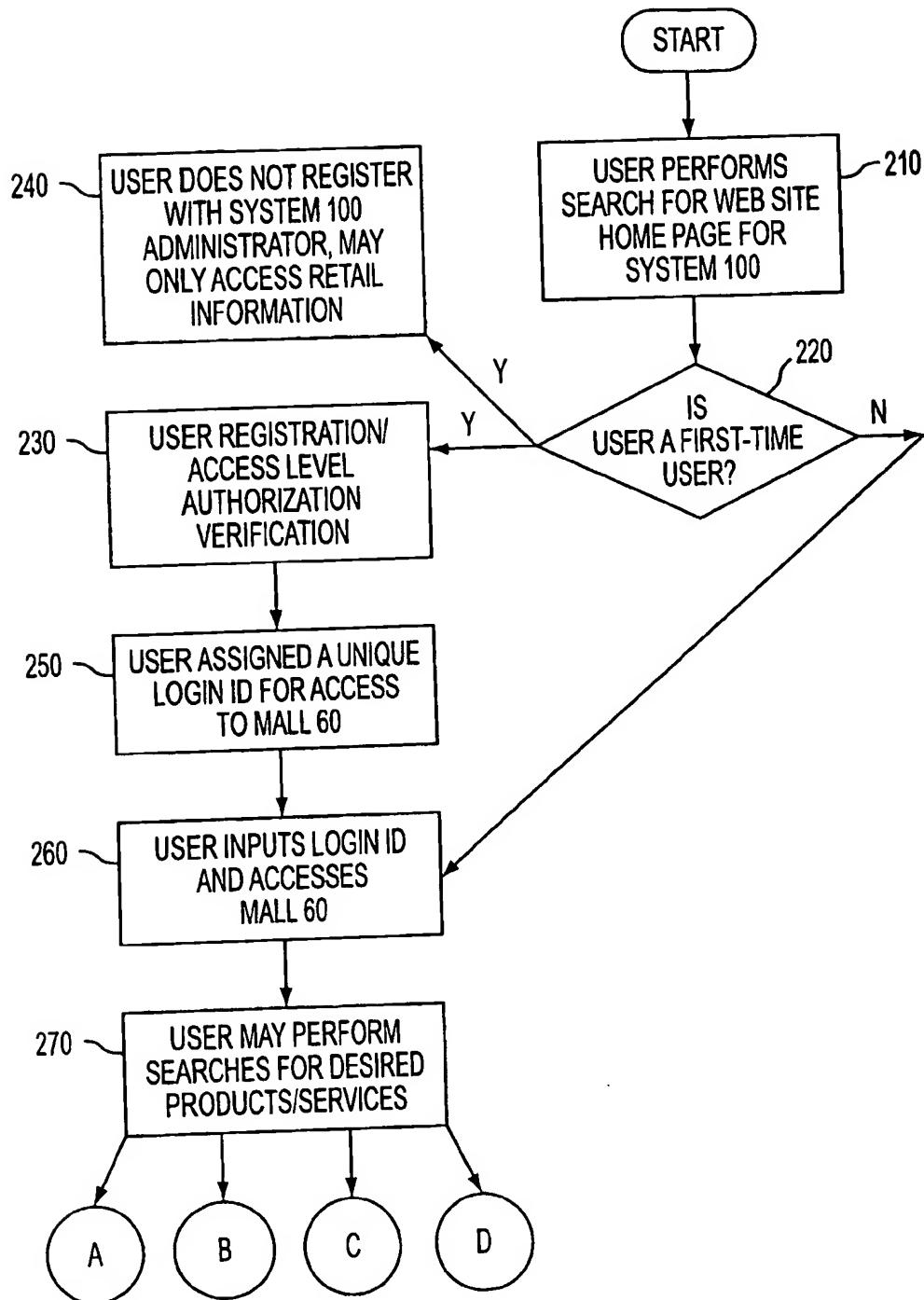


FIG. 2A

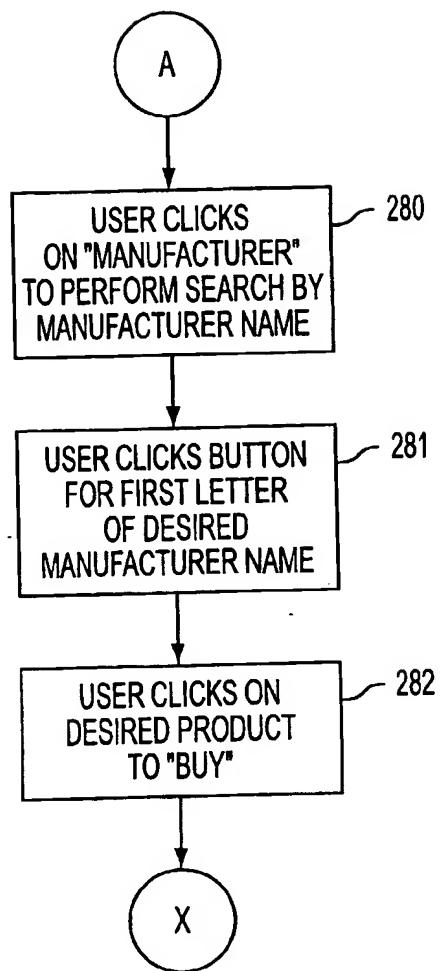


FIG. 2B

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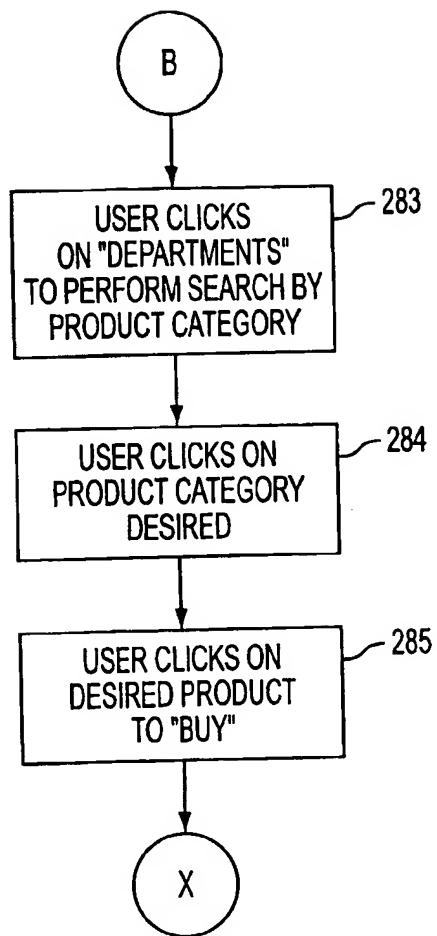


FIG. 2C

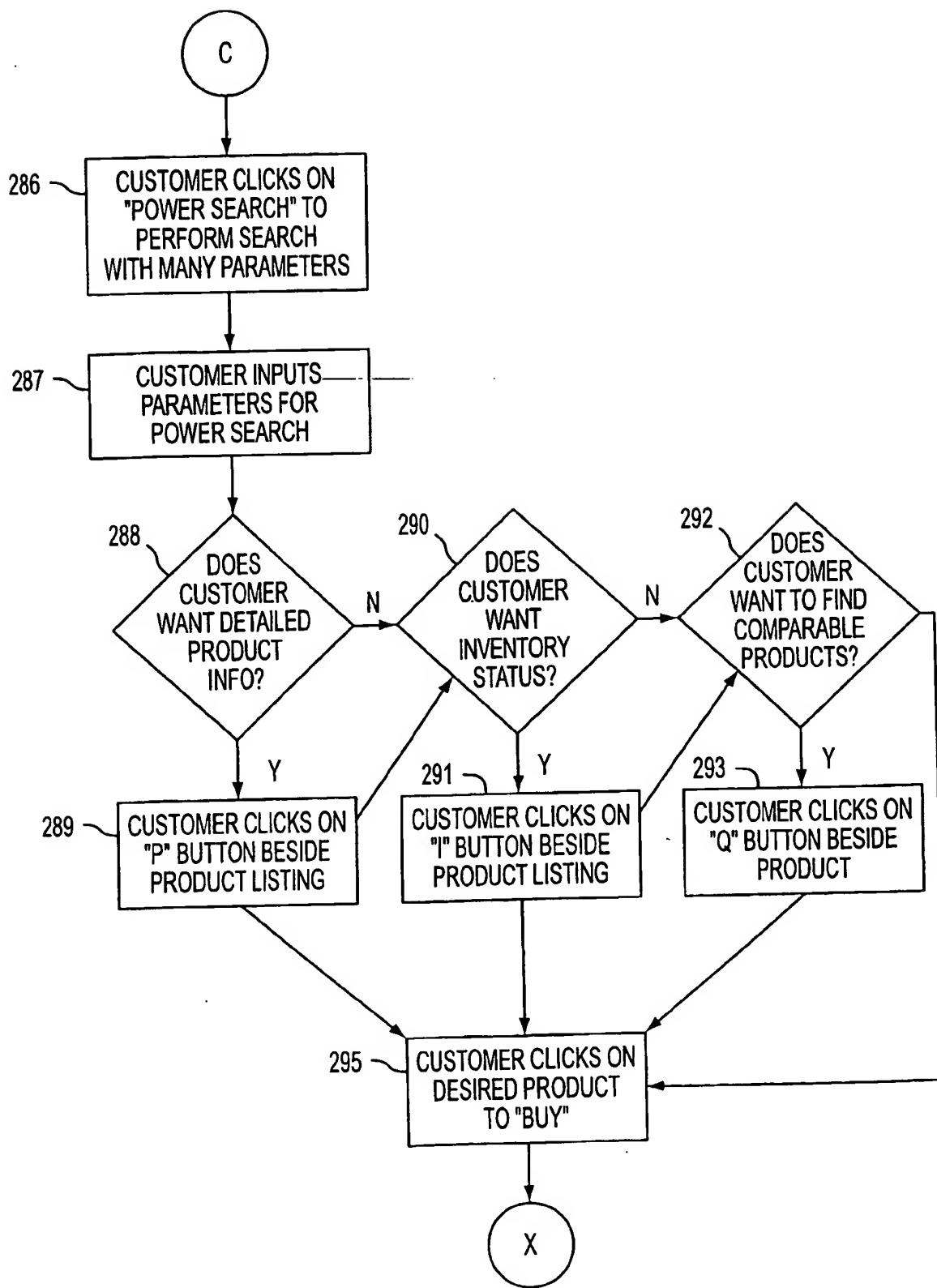


FIG. 2D

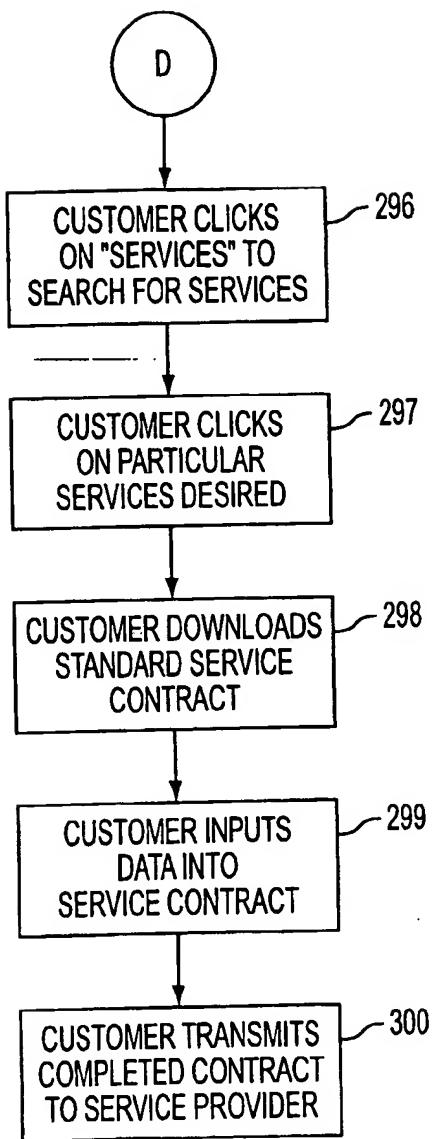


FIG. 2E

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## SEARCH OUR MALL of over 120,000 Products and Services

Enter one or more words to locate a product  Find or use Power Search[Home](#)[Power Search](#)[Cart](#)[Checkout](#)[Manufacturer](#)[Departments](#)

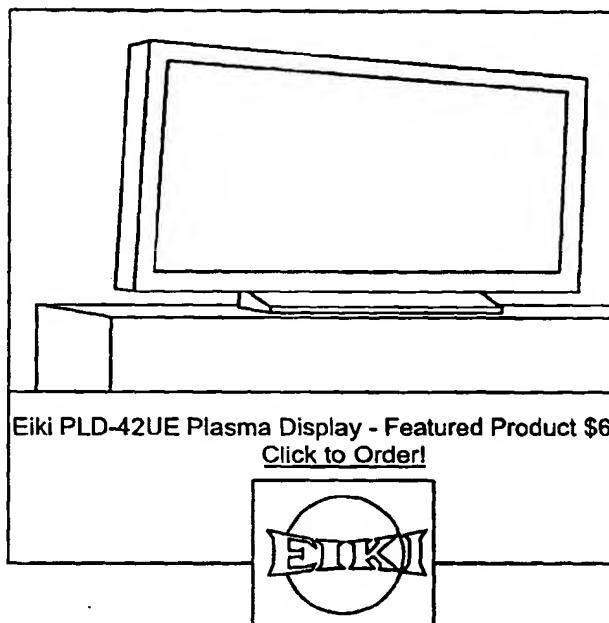
## □ Products

[Compaq, IBM, & HP PC's](#)  
[Clone PC Configurator](#)

## □ Forms

[Credit Application](#)  
[Back Order Form](#)  
[Return Form](#)  
[Order Status/Tracking](#)  
[Return Policy](#)

## □ Company Information

[FAQ](#)  
[Employment](#)  
[International](#)  
[Manufacturer Phones](#)

Want a new feature? Like what you see? See something you might do differently? se  
your comments!

FIG. 3

**SEARCH OUR MALL of over 120,000 Products and Services**Enter one or more words to locate a product   or use Power Search[Home](#)[Power Search](#)[Cart](#)[Checkout](#)[Manufacturer](#)[Departments](#)*online8a.com JUST ONE CLICK AND THE WORLD IS YOURS.***Computer Search - Select By Manufacturer**Select from manufacturers below by selecting the first letter of the manufacturer name  
and choosing from the list below or return to Main Menu at any time.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9

**FIG. 4**

## SEARCH OUR MALL of over 120,000 Products and Services

Enter one or more words to locate a product   or use P

### Computer Search - Select By Manufacturer

Select from manufacturers below by selecting the first letter of the manufacturer name  
and choosing from the list below or return to Main Menu at any time.

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>	<u>N</u>	<u>O</u>	<u>P</u>	<u>Q</u>	<u>R</u>
<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
<u>CD TECHNOLOGY</u>										<u>COMPAQ - PORTABLE OPTIONS</u>							
<u>CABLES TO GO</u>										<u>COMPAQ - RETAIL</u>							
<u>CABLETRON</u>										<u>COMPAQ - RETAIL NO AUTH</u>							
<u>CABLETRON - CABLES</u>										<u>COMPAQ - SERVER OPTIONS</u>							
<u>CABLETRON - NETWORK</u>										<u>COMPAQ - SERVERS</u>							
<u>CABLETRON SYSTEMS</u>										<u>COMPAQ - SERVICES</u>							
<u>CAERE</u>										<u>COMPAQ - SERVICES SYSTEMS</u>							
<u>CAERE - IMAGING</u>										<u>COMPAQ - SMARTSTART</u>							
<u>CAERE ACADEMIC</u>										<u>COMPAQ - SMB</u>							
<u>CAERE CORPORATION</u>										<u>COMPAQ - SOFTWARE VLA</u>							
<u>CAKEWALK MUSIC SOFTWARE</u>										<u>COMPAQ - STORAGE</u>							
<u>CALCOMP &amp; SUMMA</u>										<u>COMPAQ - SUPPLIES</u>							

FIG. 5

<u>CALCOMP (DIGITIZERS)</u>	<u>COMPAQ - WORKSTATIONS</u>
<u>CALLWARE TECHNOLOGIES</u>	<u>COMPAQ - BUSINESS STORAGEWORKS</u>
<u>CAMBRIX PUBLISHING</u>	<u>COMPAQ ENTERPRISE STORAGE</u>
<u>CAMTECH C</u>	<u>COMPAQ GENICOM - PRINTERS</u>
<u>CANARY COMMUNICATIONS</u>	<u>COMPAQ NO</u>
<u>CANARY COMMUNICATIONS INC.</u>	<u>COMPAQ PD</u>
<u>CANON</u>	<u>COMPAQ-DESKTOPS EP SERIES</u>
<u>CANON - COPIER SUPPLIES</u>	<u>COMPAQ-IPG (NETWORTH)</u>
<u>CANON - DIGITAL CAMERAS</u>	<u>COMPATIBLE SYSTEMS</u>
<u>CANON - S/W PUBLISHING</u>	<u>COMPEX</u>
<u>CANON - SECOND SOURCE</u>	<u>COMPSTAR HR SOLUTIONS</u>
<u>CANON - SUPPLIES</u>	<u>COMPUCABLE MANUFACTURING</u>
<u>CANON CAM</u>	<u>COMPUCABLE MANUFACTURING GROUP</u>
<u>CANON COMPUTER (SUPPLIES)</u>	<u>CompUSA P</u>
<u>CANON COMPUTER SYS. INC.</u>	<u>COMPUTER ASSOC</u>
<u>CANON FAX</u>	<u>COMPUTER ASSOC - ENT LIC</u>
<u>CANON FAX SUPPLIES</u>	<u>COMPUTER ASSOC - LA/C</u>
<u>CANON NOT</u>	<u>COMPUTER ASSOC - LICENSE</u>
<u>CANON PRI</u>	<u>COMPUTER ASSOCIATES</u>
<u>CANON SOFTWARE PUBLISHING</u>	<u>COMPUTER ASSOCIATES - ADVANCED EDIT</u>
<u>CANON USA - DIGITAL CAMERAS</u>	<u>COMPUTER ASSOCIATES - ENTERPRISE</u>

FIG. 6

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<u>CANON USA - PRINTERS</u>	<u>COMPUTER ASSOCIATES - LICENSING</u>
<u>CANOPUS</u>	<u>COMPUTER ASSOCIATES - MAINTENANCE</u>
<u>CARDINAL TECHNOLOGIES</u>	<u>COMPUTER ASSOCIATES - TNG</u>
<u>CARDINAL TECHNOLOGIES INC.</u>	<u>COMPUTER CITY</u>
<u>CASADY &amp; GREENE</u>	<u>COMPUTERS AMERICA</u>
<u>CASADY &amp; GREENE ACADEMIC</u>	<u>COMPUTONE</u>
<u>CASE LOGIC</u>	<u>COMTROL</u>
<u>CASEDGE INC</u>	<u>COMTROL CORP.</u>
<u>CASIO</u>	<u>CONCEPT KITCHEN</u>
<u>CASIO - SOFT</u>	<u>CONFIG 1</u>
<u>CASIO CAM</u>	<u>CONFIG 6</u>
<u>CASIO PDA</u>	<u>CONNECTIX</u>
<u>CASTELLE</u>	<u>CONNECTSOFT</u>
<u>CASTLEWOOD SYSTEMS</u>	<u>CONVERSATIONAL COMPUTING CORP</u>
<u>CE SOFTWARE</u>	<u>COOLER MASTER</u>
<u>CE SOFTWARE ACADEMIC</u>	<u>COPAM PDA</u>
<u>CEDCO PUBLISHING</u>	<u>CORE DYNAMICS CORPORATION</u>
<u>CENTAUR ACADEMIC MEDIA</u>	<u>COREL</u>
<u>CENTREPOINT TECHNOLOGIES</u>	<u>COREL - ACADEMIC</u>
<u>CENTURY SOFTWARE</u>	<u>COREL - ACADEMIC CHOICE LICENSING</u>
<u>CEQUADRAT USA INC</u>	<u>COREL - ACADEMIC FREEDOM LICENSING</u>
<u>CH PRODUCTS</u>	<u>COREL - ACADEMIC PRODUCT</u>
<u>CHARLES RIVER MEDIA</u>	<u>COREL - ACADEMIC UNIVERSAL LICENSIN</u>

FIG. 7

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<u>CHASE RESEARCH</u>	<u>COREL - CORP CHOICE LICENSING</u>
<u>CHECK POINT SOFTWARE</u>	<u>COREL - CORP FREEDOM LICENSING</u>
<u>CHECK POINT SOFTWARE SERVICES</u>	<u>COREL - CORP UNIVERSAL LICENSING</u>
<u>CHINON CA</u>	<u>COREL - EXP LA</u>
<u>CHRONOS</u>	<u>COREL - FREEDOM LICENSE</u>
<u>CI DESIGN</u>	<u>COREL - LICENSE</u>
<u>CINEGRAM MEDIA</u>	<u>COREL - OEM</u>
<u>CIRQUE CORPORATION</u>	<u>COREL - PHOTO CD</u>
<u>CISCO SYS</u>	<u>COREL - UNIX</u>
<u>CITADEL TECHNOLOGY</u>	<u>COREL - WORDPERFECT</u>
<u>CITADEL TECHNOLOGY INC.</u>	<u>COREX TECHNOLOGIES</u>
<u>CITIZEN AMERICA</u>	<u>COREX TECHNOLOGIES (SCANNERS)</u>
<u>CITIZEN AMERICA CORP. PRINTERS</u>	<u>CORNERSTONE</u>
<u>CITIZEN SUPPLIES</u>	<u>CORNERSTONE IMAGING</u>
<u>CITRIX</u>	<u>CORTELCO KELLOGG</u>
<u>CITRIX - VLP</u>	<u>CORTEX SOFTWARE</u>
<u>CMS PERIPHERALS</u>	<u>CORTEXT LIMITED</u>
<u>CMS PERIPHERALS - DROP SHIP ONLY</u>	<u>COUNTERTOP - JAMES VIDEO</u>
<u>CNET INC.</u>	<u>CREATIVE LABS</u>
<u>CNET TECHNOLOGY</u>	<u>CREATIVE LABS - OEM</u>
<u>CNF INC</u>	<u>CREATIVE LABS - SPEAKERS</u>
<u>COBALT NETWORKS</u>	<u>CREATIVE WONDERS</u>
<u>COBALT NETWORKS INC</u>	<u>CREDIT &amp; DEBIT CONSULTANT</u>
<u>COGNOS</u>	<u>CROSS PEN COMPUTING GRP</u>

FIG. 8

<u>COLORSPAN</u>	<u>CROSS PEN COMPUTING/A T</u> <u>CROSS CO</u>
<u>COMDIAL</u>	<u>CRT MULTIMEDIA</u>
<u>COMDIAL CORPORATION</u>	<u>CRU</u>
<u>COMMAND</u> <u>COMMUNICATIONS</u>	<u>CRU - CONNECTOR</u> <u>RESOURCES</u>
<u>COMMAND TECHNOLOGY</u>	<u>CRYSTAL GRAPHICS</u>
<u>COMMODORE</u>	<u>CSI/SUTTLE APPARATUS</u>
<u>COMPAQ</u>	<u>CTL</u>
<u>COMPAQ - ASSEMBL TO</u> <u>ORDER</u>	<u>CTX</u>
<u>COMPAQ - CCP</u>	<u>CTX - SECOND SOURCE</u>
<u>COMPAQ - COMMERCIAL</u> <u>SOFTWARE</u>	<u>CTX INTERNATIONAL</u>
<u>COMPAQ - COMPONENTS</u>	<u>CTX NOTEBOOKS</u>
<u>COMPAQ - CONSUMER</u>	<u>CTX NOTEBOOKS</u>
<u>COMPAQ - CONSUMER</u> <u>SOFTWARE</u>	<u>CUBIC VIDEOCOMM INC</u>
<u>COMPAQ - CTO</u>	<u>CURTIS COMPUTER</u>
<u>COMPAQ - DESKTOP</u> <u>OPTIONS</u>	<u>CURTIS COMPUTER</u> <u>PRODUCTS</u>
<u>COMPAQ - DESKTOP PRNT</u> <u>SRV</u>	<u>CYBER ACOUSTICS</u>
<u>COMPAQ - DESKTOPS</u>	<u>CYBER POWER SYSTEMS</u>
<u>COMPAQ - EXP LA</u>	<u>CYBERCASH</u>
<u>COMPAQ - NETWORKING</u>	<u>CYBERMEDIA</u>
<u>COMPAQ - NOTEBOOKS</u>	<u>CYBEX COMPUTER</u> <u>PRODUCTS</u>
<u>COMPAQ - PALMTOPS</u>	

FIG. 9

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**EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER** [Buy!](#) or [Save](#) to My List.

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Manufacturer: COMPAQ - WORKSTATIONS

Manuf Part #: 270187-B21

Our Part #: 1M599143

Price: 31.11

Lease: 1.10

Weight: 0.75 lbs

Real time inventory is unavailable

Transit Times from Distribution Centers  
Note: All orders under \$500 placed through the  
Web Site will only be shipped from our Secondary

**FIG. 10**

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## Quick Compare

### EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER

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This is a price comparison. Items may not be equivalent.

	(Buy)	(Buy)	(Buy)	(Buy)	(Buy)
Description	NETSHIELD SECURITY STE LW 2001-3000 N PERPET	ACK-68P-50P CONVERT ADPT FOR PC-DLX	Educational Institutions Only CHECK 2000 PC CJS	NTL24X7 S1 1000 SUPPORT	
Manufacturer	NETWORK ASSOC LICENSE	ADAPTEC CONTROLLERS	GREENWICH MEAN TIME	GREENWICH MEAN TIME	NETWORK ASSOC SUPP/SVC
Manuf Part#	NSEDROTN400P20	ACK-68P-50P-IU	468DLX-4999B	CS468-4000	NTL24X7NASS1000
Our Part#	244750	070267	083779	083798	487220
Price	29.45	29.44	29.44	29.44	29.44
Quantity	Changes	283	Changes	Changes	Changes
Weight	0.05 lbs	0.05 lbs	1.00 lbs	1.00 lbs	0.50 lbs
Manufacturer	Adaptec	Adaptec	Greenwich Mean Time	Greenwich Mean Time	Greenwich Mean Time
Cable Style	SCSI	SCSI			
Cable Environment	Hard Drive	Tape Drive			
		CD-ROM Drive			

FIG. 11

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Internal/External	Optical Drive		
Length	Internal 1in		
Primary/Source Connector	(1) 68-Pin Socket Female		
Secondary/Device Connector	50-Pin Socket Female		
Number of Sec/Device Connector(s)	1		
Cable Material/Characteristics	Shielded		
Misc Features		Year 2000 Compliant	Year 2000 Compliant
Software Type		Other Utilities	Utility
License		Certain Number of Users	Server Client Academic
Number of Users		2000-4999 User	2000-4999 User
Media Included		CD-ROM	CD-ROM License
Operating Systems Supported	Windows NT Windows 98 Windows 95	Windows NT Windows 98 Windows 95	
Minimum OS Version 1		Windows NT v4.0 w/ Service Pack 3	
Description 1		Thorough Year 2K testing tool for stand-alone PCs	Year 2000 testing tool that addresses all five at
Description 2		Check 2000 PC Deluxe test and fixes the BIOS.	risk layers of networked PCs. Fix the BIOS on each
Description 3		Checks the operating system and software S/W	PC, test the PC's operating systems and S/W
Description 4		applications, scans the data files on your PC, and includes a free video.	programs, scan user data files, and flag data importing issues-all from a single location.
Description 5		16MB	
Minimum System RAM Required		CD-ROM	CD-ROM Network Adapter
Required Equipment			Windows NT NetWare
Server OS Supported			

FIG. 12

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Server: Minimum OS Version 1	Client: OS Supported	Windows NT 3.51/4.0
		DOS Windows Windows NT Windows 95 Windows for Workgroups
		Windows 3.x, Windows NT 4.0
Client: Minimum OS Version 1		

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**EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER**

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**FIG. 13**

Part #	Price	Qty	Description	Category	Manuf #	Weight
IM599143	31.11	Yes	<u>EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER</u>		270187-B21	0.75 lbs
IM775435	33.60	Yes	<u>AP400 FLOOR STAND KIT</u>		354499-B21	0.65 lbs
IM204497	43.41	Changes	<u>2-BUTTON OPAL MOUSE</u>		143315-B21	0.10 lbs
IM775433	43.41	Yes	<u>MOUSE 3-BUTTON PS2 DUAL CONNECTORS OPAL</u>		269192-B22	0.75 lbs
IM204461	48.44	Changes	<u>16MB MODULE ECC 100MHZ UNREG SDRAM</u>		166615-B21	0.10 lbs
220954	62.29	Changes	<u>10BT TO 10B2 COAX ADAPTER PRO WS XP1000</u>	Media Converters/Modules/Chassis	388277-B21	1.00 lbs
220759	67.98	11	<u>10K DRIVE COOLING KIT PRO WS AP500</u>	Other	329294-B21	0.60 lbs
220751	67.98	2	<u>10K DRIVE COOLING KIT PRO WS AP400</u>	Other	329302-B21	2.00 lbs
IM776487	79.20	Yes	<u>10K DRIVE COOLING KIT</u>		329294-B21	0.54 lbs
IM776488	80.03	Yes	<u>10K DRIVE MOUNTING/COOLING KIT (AP400)</u>		329302-B21	2.00 lbs
215055	86.25	68	<u>4MB UPGRADE PRO WS GLORIA SYNERGY AGP AP400 DIMMS</u>		352436-001	0.35 lbs
IM599114	89.10	Yes	<u>16MB MODULE (ECC EDO (DIMM 60NS) F/PROF WRKSTN</u>		225481-B21	0.45 lbs
IM599138	92.40	Yes	<u>BOARD FOR WS6000</u>		270188-B21	1.06 lbs
215495	93.35	Changes	<u>8MB RAM UPG FOR MATROX G200 AGP PRO WS</u>		294418-B21	0.20 lbs
215496	96.88	Changes	<u>8MB RAM UPG FOR MATROX G200 PCI PRO WS</u>		294417-B21	0.20 lbs
IM776428	98.45	Yes	<u>4MB UPG FOR SYNERGY</u>		352436-B21	0.50 lbs
220718	99.14	Changes	<u>5 DEVICE WSCSI INT CABLE PRO WS AP500 SP700</u>	Drive	328995-B21	4.00 lbs
220719	99.14	Changes	<u>4 DEVICE WSCSI INT CABLE PRO WS AP400 AP500</u>	Drive	328913-B21	4.00 lbs
IM776446	101.48	Yes	<u>SCSI OPTIONAL CABLE KIT</u>		328995-B21	0.72 lbs
920841	101.97	Changes	<u>ZIP 100MB ATAPI INT PRO WS</u>		401475-B21	3.70 lbs

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Items In Same Category:  
**EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER**

**FIG. 14**

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Part #	Price	Description	Qty	Manuf #	We
IM029832	1.50	WALLPLATE 1 PORT IVORY	Yes	CORTELCO KELLOGG	0.3
IM029833	1.50	WALLPLATE 2 PORT IVORY	Yes	CORTELCO KELLOGG	0.4
IM029834	1.50	WALLPLATE 3 PORT IVORY	Yes	CORTELCO KELLOGG	0.0
IM029835	1.50	WALLPLATE 4 PORT IVORY	Yes	CORTELCO KELLOGG	0.0
IM029836	1.50	WALLPLATE 6 PORT IVORY	Yes	CORTELCO KELLOGG	0.0
IM029841	1.50	UNSHIELDED PLUG 8P8C 50UM GOLD 5-PK	Yes	PR8850PK05	0.2
IM029842	1.50	BOOT LARGE WITH LOCK PROTECTOR BLACK 5-PK	Yes	SRV11BPK05	0.0
IM029843	1.50	BOOT LARGE WITH LOCK PROTECTOR GREEN 5-PK	Yes	SRV11GNPK05	0.0
IM029844	1.50	BOOT LARGE WITH LOCK PROTECTOR YELLOW 5-PK	Yes	SRV11LPK05	0.0
IM029845	1.50	BOOT LARGE WITH LOCK PROTECTOR IVORY 5-PK	Yes	SRV11VPK05	0.2
IM029846	1.50	BOOT LARGE WITH LOCK PROTECTOR GREY 5-PK	Yes	SRV11GYPK05	0.2
IM029847	1.50	BOOT LARGE WITH LOCK PROTECTOR BLUE 5-PK	Yes	SRV11BLPK05	0.0
IM029848	1.50	BOOT LARGE WITH LOCK PROTECTOR RED 5-PK	Yes	SRV11RDPK05	0.2
IM0298589	1.50	Changes	Changes	POWERQUEST - VLA PROGRAM DP3EN5000WSUP	0.0
IM029848	1.50	Changes	Changes	NETSCAPE - LICENSING	0.0
IM029848	1.50	Changes	Changes	NETSCAPE - LICENSING	0.0
IM029848	1.50	Changes	Changes	WOODS INDUSTRY	0.0
IM029848	1.50	Changes	Changes	WOODS INDUSTRY	0.0
IM104633	1.50	Changes	Changes	NER DATA PRODUCTS	0.0
IM104689	1.50	Changes	Changes	OKIDATA MICROLINE 80/82 NYLON 12X10YDS X 5MIL PLA	0.0
IM114514	1.50	Changes	Changes	UPG DIRECTORY SER EXTRANET 4 1 LEVEL C \$50000-\$9999	0.0
IM114549	1.50	Changes	Changes	NETSCAPE - ALLIANCE	0.0
IM150752	1.50	Changes	Changes	169-05491-00	0.0
IM176315	1.50	Changes	Changes		0.0

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## Related Information

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FIG. 15

Related Information  
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Related information may be found by viewing all products in same Department: . Or view all products in same Category: . Or view all products in same Subcategory: .

FIG. 16

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Enter one or more words to locate a product   or use P

## Shopping Cart

Description	Part#	Price	Qty	Amount
Computer: <u>18.2GB 1IN HD UCSCI HD PRO WS/DESKTOP (COMPAQ-WORKSTATIONS)</u> [Delete] [Inventory]	123968	\$814.61	<input type="text" value="1"/>	\$814.61
Computer: <u>EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER (COMPAQ-WORKSTATIONS)</u> [Delete] [Inventory]	IM599143	\$31.11	<input type="text" value="1"/>	\$31.11
Sub-total				\$845.72
Shipping by "Ground"				17.90
Shipping Options: <input type="checkbox" value="Ground"/> <input type="checkbox"/>				
Tax (Resident of VA? <input type="radio" value="Yes"/> Yes <input type="radio" value="No"/> No)				0.00
Total				\$863.62
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		

FIG. 17

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**Computer Search - Select By Department**Choose specific department from the menu below or return to [Main Menu](#) at any time.

Make Selection to Scroll to Major Department		
<a href="#">Accessories &amp; Supplies</a> (7745)	<a href="#">Chassis</a> (143)	<a href="#">Computers/Terminals</a> (2362)
<a href="#">Education</a> (1215)	<a href="#">Enhancement Products</a> (3257)	<a href="#">Input Devices</a> (892)
<a href="#">Memory</a> (5392)	<a href="#">Motherboards</a> (244)	<a href="#">Multifunctional De..</a> (33)
<a href="#">Network &amp; Communic...</a> (13185)	<a href="#">Power Equipment</a> (1995)	<a href="#">Premise Wiring &amp; R..</a> (2556)
<a href="#">Printed Information</a> (1707)	<a href="#">Printers &amp; Plotters</a> (598)	<a href="#">Services &amp; Agreements</a> (15072)
<a href="#">Software, Applications</a> (170)	<a href="#">Software, Communic..</a> (547)	<a href="#">Software, Systems</a> (139)
<a href="#">Storage Devices/En..</a> (4211)	<a href="#">Telephony</a> (514)	<a href="#">Video Adapters &amp; D..</a> (1131)

[Accessories & Supplies](#)  
[Cables & Connectors](#) (2223)  
[Camera Accessories](#) (150)  
[Carrying Case](#) (369)  
[Cases & Covers](#) (34)  
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[Desk Accessories](#) (240)  
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[Media: Tape Cartridges](#) (471)  
[Monitor Accessories](#) (113)  
[Notebook Accessories](#) (273)  
[Other Accessories & Equipment](#) (400)  
[Paper Supplies](#) (432)  
[Printer Accessories](#) (857)  
[Printer Supplies](#) (1089)  
[Scanner Accessories](#) (163)

FIG. 18

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Switches & Boxes (214)

TOP ▲

Chassis  
Desktop (22)  
File Server (21)  
Full Tower (18)  
Mid Tower (42)  
Mini Tower (31)  
Rack Mount (9)

TOP ▲

Computers/Terminals  
Desktop Computers (376)  
Handheld Computers/PDAs (45)  
Multiprocessor Systems (191)  
Notebook Computers (669)  
Rackmount Computers (80)  
Thin Clients/Terminals (221)  
Tower Computers (780)

TOP ▲

Education  
On-Site Training (4)  
Self Study Courses (691)  
Training Courses (520)

TOP ▲

Enhancement Products  
Adapters and Interfaces (505)  
Audio Output Devices (182)  
I/O Boards and Systems (591)  
Other Add-In Boards & Chips (23)  
Performance Enhancements (225)  
RAID Adapters (177)  
Sound & Multimedia (69)

TOP ▲

Input Devices  
Audio Input Devices (38)  
Bar Code Scanners (14)  
Camera Imaging (96)  
Graphics Tablets (62)  
Image Scanners (232)

FIG. 19

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Keyboards and Keypads (219)  
Pointing Devices (231)

TOP ▲

Memory  
Generic Memory (397)  
Memory Boards & Chips (61)  
Other Add-In Boards & Chips (84)  
Proprietary/3rd Party Memory (4850)

TOP ▲

Motherboards  
AT (12)  
ATX (136)  
BAT (33)  
EATX (5)  
FAT (2)  
LPX (0)  
MATX (51)  
NLX (4)  
WTX (1)

TOP ▲

Multifunctional Devices  
Inkjet (13)  
Laser (20)

TOP ▲

Network & Communications H/W  
Bridges/Routers/Gateways (1753)  
Facsimile (22)  
Host Connectivity/Emulation H/W (174)  
Internet Server/Access Units (176)  
LAN Media Connectors (1020)  
Modems/Chassis/Terminal Adapter (999)  
Multi-Service Chassis (1389)  
Network Adapters/Interfaces (1915)  
Network Hubs and MAUs (1206)  
Network Repeaters (151)  
Network Switches/Chassis (1601)  
Peripheral Servers/Sharing Units (1092)  
Routing Switches (160)  
Satellite Communication Products (1)  
Test/Monitoring Equipment/Tools (222)  
WAN Communication Products (1301)

FIG. 20

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TOP ▲**Power Equipment**

- Power Adapters (220)
- Power Conditioners (24)
- Power Isolators (6)
- Supplies & Batteries (849)
- Surge Suppressors (258)
- UPS Systems Line-Interactive (306)
- UPS Systems On-Line (270)
- UPS Systems Standby (63)

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TOP ▲**Premise Wiring & Rack Systems**

- Bulk Cable and Accessories (179)
- Patch Cords & Finished Cables (860)
- Premise Wiring, Cables & Rack Systems  
(946)
- WAN I/F Cables (668)

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TOP ▲**Printed Information**

- Books (1017)
- Documentation (374)
- Education Products (8)
- Graphics & Photo CDs (1)
- Manuals (303)
- Periodicals (3)

---

TOP ▲**Printers & Plotters**

- Copier (12)
- Dot Matrix Printers (143)
- Dye Sublimation Printers (4)
- Ink Jet Printers (76)
- Label Printer (50)
- Laser or LED Page Printers (282)
- Line Printers (99)
- Plotters (17)
- Solid Ink Printers (5)
- Thermal Printers (7)
- Video Printers (2)

---

TOP ▲**FIG. 21**

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**Services & Agreements**  
Configuration Services (195)  
Hardware Maintenance Agreements (2395)  
On-Line Services (22)  
Program Fulfillment (240)  
Software Maintenance Agreements (12743)  
Technical Support Services (477)

---

TOP ▲

**Software, Applications**  
Accounting (3)  
Business Productivity/Automation (9)  
CAD CAM (0)  
Charting and Forms (4)  
Contact Management (17)  
Database (9)  
Desktop Publishing (13)  
Document Imaging/Mgmt (25)  
Education (5)  
Edutainment (1)  
Entertainment (5)  
Fonts (3)  
Graphics (14)  
Home and Hobbies (2)  
Imaging (13)  
Integrated Applications (18)  
Mapping/Atlas Products (0)  
Multimedia Applications (6)  
Organization and Time Mgmt (15)  
Presentation Graphics (2)  
Reference (6)  
Screen Saver (0)  
Spreadsheets (0)  
Tax Preparation (0)  
Word Processing (0)

---

TOP ▲

**Software, Communications**  
Communications (82)  
Communications Utilities (22)  
Computer to Computer Links (7)  
E-Mail (3)  
EDI (0)  
Electronic Software Distribution Systems (0)  
Fax (1)  
Gateways and Interfaces (112)  
Groupware (2)

FIG. 22

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Internet Browser (1)  
Internet S/W and Utilities (40)  
Internet Server (1)  
Internet/Intranet S/W and Utilities (0)  
Intranet S/W and Utilities (2)  
Network Integrated Information System (1)  
Network Management and Utilities (181)  
Network Operating Systems (53)  
Network Resource Sharing (36)  
OCR (0)  
Remote Access (27)  
Remote Control (10)  
Speech Recognition (2)  
Telephony (6)  
Terminal Emulation (56)  
UPS Monitoring (2)

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TOP ▲

Software, Systems  
Anti-Virus (10)  
Application Development Tools (6)  
Backup Utilities (9)  
Compilers and Languages (8)  
Data Entry and Acquisition (2)  
Data Warehousing Software (0)  
Database Client (0)  
Database Drivers (5)  
Database Report Generators (0)  
Database Servers (Engines) (3)  
Decision Support Software (0)  
Drivers and Installation (6)  
File Management (6)  
Graphical User Interface (0)  
Menuing Systems (0)  
Multimedia Engines and Tools (0)  
Object Class Library (0)  
Operating Systems and Enhancements (20)  
Other Utilities (17)  
Printer Utilities (4)  
Programming Utilities (3)  
Protocol Stack Managers (5)  
Security and Auditing (22)  
System Management Tools (13)

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Storage Devices/Enclosures  
Disk Arrays (45)

# FIG. 23

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Drive Enclosures (349)  
DVD Drives (70)  
External Hard Drives (9)  
Floppy Drives (74)  
Hard Drives (690)  
Notebook Hard Drives (1096)  
Optical and CD-ROM Drives (609)  
Portable Drives (248)  
Removable Drives (58)  
Servers (220)  
Tape Drives (743)

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Telephony  
Audio/Video Conferencing (28)  
CTI Kits (93)  
Facsimile (24)  
Messaging (24)  
PBX (120)  
PC Based PBX (68)  
Software (25)  
Telephones (222)  
Voice Over IP (10)

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Video Adapters & Displays  
Color Monitors (409)  
LCD Flat Panel Displays (94)  
Monochrome Monitors (5)  
Plasma Display (2)  
TouchScreen (10)  
Video Adapters/Accelerators (379)  
Video Projection Products (232)

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FIG. 24

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**SEARCH OUR MALL of over 120,000 Products and Services**Enter one or more words to locate a product   or use Power Search

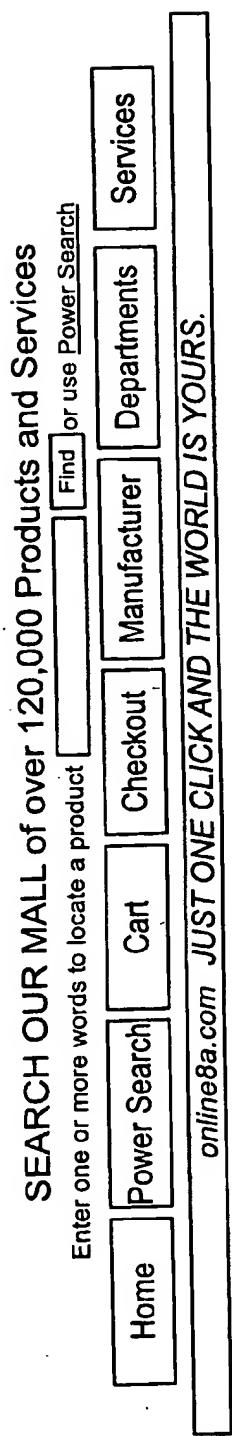
Home	Power Search	Cart	Checkout	Manufacturer	Departments	<input type="button" value="Search"/>
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**Computer Products Power Search**Enter one or more search values below or view search examples.

Search Any Combination of Manufacturer, Description, Part #, Department: <input type="text"/> <input type="button" value="Find"/> <input type="button" value="Clear"/>		
<b>Advanced Search Values</b>		
Manufacturer	All Manufacturers	<input type="button" value="SELECT MANUFACTURER"/>
Department	All Departments-All Categories	<input type="button" value="SELECT DEPARTMENT"/>
Manufacturer Part#	<input type="text"/>	
Our Part#	<input type="text"/>	
Price	Greater than <input type="text"/>	Less than <input type="text"/>
Sort Results By	<input type="radio"/> Price      Description	

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**FIG. 25**



Computer Products Power Search Results  
vendor is "COMPAQ - WORKSTATIONS" and department is "All Categories/All SubCategories"

**SEARCH RESULTS:** 323 matches found. (Displaying results 1 through 150)  
Click  **Buy** to Add Item To Shopping Cart, Click  to Check Real-Time Inventory  
Click  for Product Information

FIG. 26

Display Configurator						
Comparison Engine			Font Size: <input type="text"/>			
To view products side-by-side, check off the products you want and press the "Show Comparison" button			Sort By: <input type="text"/> <input type="checkbox"/> Exclude Possible Out of Stock Items			
Category	Part #	Qty	Description	Changes	Man	Manufacturer
Product Info	IM599143	Yes	EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER		2701	COMPAQ - WORKSTATIONS
Inventory	IM776435	Yes	AP400 FLOOR STAND KIT		3544	COMPAQ - WORKSTATIONS
Buy	IM204487	Changes	2-BUTTON OPAL MOUSE		1433	COMPAQ - WORKSTATIONS
Buy	IM776433	Yes	MOUSE 3-BUTTON PS2 DUAL CONNECTORS OPAL		2691	COMPAQ - WORKSTATIONS
Buy	IM204461	Changes	16MB MODULE EEC 100MHZ UNREG SDRAM		1666	COMPAQ - WORKSTATIONS
Buy	IM204461	Changes	100T TO 1062 COAX ADAPTER PRO WS XP1000		31/47	COMPAQ - WORKSTATIONS
Buy	220964	11	10K DRIVE COOLING KIT PRO WS AP500		3882	COMPAQ - WORKSTATIONS
Buy	220750	2	10K DRIVE COOLING KIT PRO WS AP400		3292	COMPAQ - WORKSTATIONS
Buy	220751	1	10K DRIVE COOLING KIT PRO WS AP400		3293	COMPAQ - WORKSTATIONS
Buy	IM776457	Yes	10K DRIVE COOLING KIT		3292	COMPAQ - WORKSTATIONS
Buy	IM776458	Yes	10K DRIVE MOUNTING/COOLING KIT(AP400)		3293	COMPAQ - WORKSTATIONS
Buy	215055	68	4MB UPGRADE PRO WS GLORIA SYNERGY AGP AP400		3524	COMPAQ - WORKSTATIONS
Buy	IM599114	Yes	16MB MODULE (ECC EDO (DIMM 60NS) F / PROF WRKSTN		2254	COMPAQ - WORKSTATIONS
Buy	IM599138	Yes	BOARD FOR WS6000		2701	COMPAQ - WORKSTATIONS
Buy	215495	Changes	8MB RAM UPG FOR MATROX G200 AGP PRO WS		2944	COMPAQ - WORKSTATIONS
Buy	215496	Changes	8MB RAM UPG FOR MATROX G200 PCI PRO WS		3524	COMPAQ - WORKSTATIONS
Buy	IM776428	Yes	4MB UPG FOR SYNERGY		3289	COMPAQ - WORKSTATIONS
Buy	220718	Changes	5 DEVICE WSCSI INT CABLE PRO WS AP500 SP700		3289	COMPAQ - WORKSTATIONS
Buy	220719	Changes	4 DEVICE WSCSI INT CABLE PRO WS AP400 AP500		3289	COMPAQ - WORKSTATIONS
Buy	IM776446	Yes	SCSI OPTIONAL CABLE KIT		4014	COMPAQ - WORKSTATIONS
Buy	920841	Changes	ZIP 100MB ATAPI INT PRO WS			

FIG. 27

Q P I C	<input type="checkbox"/> BuyD	\$102.05	IM204455	Changes	COMPAQ - WORKSTATIONS	1666
Q P I C	<input type="checkbox"/> BuyD	\$102.05	IM204462	Changes	COMPAQ - WORKSTATIONS	4017
Q P I C	<input type="checkbox"/> BuyD	\$103.00	920839	<u>1</u>	COMPAQ - WORKSTATIONS	4017
Q P I C	<input type="checkbox"/> BuyD	\$103.00	920840	<u>1</u>	COMPAQ - WORKSTATIONS	4017
Q P I C	<input type="checkbox"/> BuyD	\$105.60	IM141800	Yes	COMPAQ - WORKSTATIONS	4017
Q P I C	<input type="checkbox"/> BuyD	\$105.60	IM204483	Changes	COMPAQ - WORKSTATIONS	4017
Q P I C	<input type="checkbox"/> BuyD	\$105.88	IM776447	Yes	COMPAQ - WORKSTATIONS	3789
Q P I C	<input type="checkbox"/> BuyD	\$107.25	IM204490	Changes	COMPAQ - WORKSTATIONS	2944
Q P I C	<input type="checkbox"/> BuyD	\$111.10	IM599109	Yes	COMPAQ - WORKSTATIONS	2701
Q P I C	<input type="checkbox"/> BuyD	\$112.20	IM599135	Yes	COMPAQ - WORKSTATIONS	2708
Q P I C	<input type="checkbox"/> BuyD	\$113.30	215053	<u>9</u>	COMPAQ - WORKSTATIONS	3177
Q P I C	<input type="checkbox"/> BuyD	\$114.95	IM599137	Yes	COMPAQ - WORKSTATIONS	2701
Q P I C	<input type="checkbox"/> BuyD	\$118.80	IM141594	Yes	COMPAQ - WORKSTATIONS	4014
Q P I C	<input type="checkbox"/> BuyD	\$121.23	220970	Changes	COMPAQ - WORKSTATIONS	3892
Q P I C	<input type="checkbox"/> BuyD	\$130.30	215051	<u>1</u>	COMPAQ - WORKSTATIONS	3275
Q P I C	<input type="checkbox"/> BuyD	\$130.35	IM776425	Yes	COMPAQ - WORKSTATIONS	3177
Q P I C	<input type="checkbox"/> BuyD	\$132.00	IM204466	Changes	COMPAQ - WORKSTATIONS	2719
Q P I C	<input type="checkbox"/> BuyD	\$138.23	220972	Changes	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> BuyD	\$141.35	IM776493	Yes	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> BuyD	\$147.29	123966	Changes	COMPAQ - WORKSTATIONS	1540
Q P I C	<input type="checkbox"/> BuyD	\$151.80	IM776427	Yes	COMPAQ - WORKSTATIONS	3275
Q P I C	<input type="checkbox"/> BuyD	\$152.96	124008	Changes	COMPAQ - WORKSTATIONS	1248
Q P I C	<input type="checkbox"/> BuyD	\$152.96	920834	Changes	COMPAQ - WORKSTATIONS	4025
Q P I C	<input type="checkbox"/> BuyD	\$157.15	215499	<u>94</u>	COMPAQ - WORKSTATIONS	2943
Q P I C	<input type="checkbox"/> BuyD	\$157.30	IM776461	Yes	COMPAQ - WORKSTATIONS	2694
Q P I C	<input type="checkbox"/> BuyD	\$169.40	IM141822	Changes	COMPAQ - WORKSTATIONS	1540
Q P I C	<input type="checkbox"/> BuyD	\$169.96	123973	Changes	COMPAQ - WORKSTATIONS	1033
Q P I C	<input type="checkbox"/> BuyD	\$173.80	IM204489	Changes	COMPAQ - WORKSTATIONS	2943
Q P I C	<input type="checkbox"/> BuyD	\$173.80	IM204493	Yes	COMPAQ - WORKSTATIONS	1248
Q P I C	<input type="checkbox"/> BuyD	\$181.50	IM599115	Yes	COMPAQ - WORKSTATIONS	2254

FIG. 28

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<input checked="" type="checkbox"/> \$186.95	Buy	123943	Changes	<u>6X32X DVD-ROM PRO WS EIDE</u>	COMPAQ - WORKSTATIONS	4025
<input checked="" type="checkbox"/> \$187.00	Buy	IM204453	Changes	<u>64MB MODULE ECC 100MHZ UNREG SDRAM</u>	COMPAQ - WORKSTATIONS	1666
<input checked="" type="checkbox"/> \$193.05	Buy	IM204456	Changes	<u>ELSA GLORIA SYNERGY II AGP</u>	COMPAQ - WORKSTATIONS	1033
<input checked="" type="checkbox"/> \$195.80	Buy	IM141825	Changes	<u>ELSA SYNERGY II AGP</u>	COMPAQ - WORKSTATIONS	1033
<input checked="" type="checkbox"/> \$195.80	Buy	IM598166	Yes	<u>GLORIA-XL 16MB DRAM UPG</u>	COMPAQ - WORKSTATIONS	2703
<input checked="" type="checkbox"/> \$202.81	Buy	220971	Changes	<u>VIDEO CAPTURE PCI BOARD UNIX PRO WS XP1000</u>	COMPAQ - WORKSTATIONS	3882
<input checked="" type="checkbox"/> \$215.05	Buy	IM141805	Changes	<u>32X6X DVD ROM DRIVE</u>	COMPAQ - WORKSTATIONS	4025
<input checked="" type="checkbox"/> \$226.59	Buy	920838	Changes	<u>ICH ULTRA2 SCSI PCI CONTROLLER PRO WS AP SPANISH</u>	COMPAQ - WORKSTATIONS	1021
<input checked="" type="checkbox"/> \$233.20	Buy	IM776494	Changes	<u>VIDEO CAPTURE PCI BOARD FOR UNIX FOR XP1000</u>	COMPAQ - WORKSTATIONS	3882
<input checked="" type="checkbox"/> \$235.65	Buy	220969	Changes	<u>GLORIA SYNERGY 2D/3D 8MB SGRAM PCI PRO WS</u>	COMPAQ - WORKSTATIONS	4007
<input checked="" type="checkbox"/> \$239.80	Buy	IM598133	Yes	<u>MATROX MILLENNIUM-2 PCI 4MB WRAM GRAPHICS CONTROLLE</u>	COMPAQ - WORKSTATIONS	2702
<input checked="" type="checkbox"/> \$242.00	Buy	IM204467	Changes	<u>64MB MODULE EDO BUFFERED DIMM 60NS</u>	COMPAQ - WORKSTATIONS	2719
<input checked="" type="checkbox"/> \$244.75	Buy	IM599116	Yes	<u>64MB MODULE (ECC EDO DIMM 60NS) F/ PROF WRKSNTN 5</u>	COMPAQ - WORKSTATIONS	2254
<input checked="" type="checkbox"/> \$244.75	Buy	IM776407	Yes	<u>GLORIA SYNERGY PCI 8MB SGRAM GRAPHICS CONTROLLER</u>	COMPAQ - WORKSTATIONS	2696
<input checked="" type="checkbox"/> \$249.25	Buy	215054	8	<u>128MB SDRAM DIMM AP400 AP500 SP700 PRO WS 100MHZ</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$259.05	Buy	IM599136	Yes	<u>12MB WRAM MILLENNIUM 2 UPG</u>	COMPAQ - WORKSTATIONS	2708
<input checked="" type="checkbox"/> \$260.70	Buy	IM141799	Yes	<u>SYMBIOS WIDE ULTRA2 PCI SCSI CONTROLLER</u>	COMPAQ - WORKSTATIONS	1021
<input checked="" type="checkbox"/> \$260.70	Buy	IM599140	Yes	<u>PENTUM PRO PROCESSOR BOARD FOR WS8000</u>	COMPAQ - WORKSTATIONS	2702
<input checked="" type="checkbox"/> \$271.15	Buy	IM776474	Changes	<u>ELSA GLORIA SYNERGY PCI 8MB SGRAM GRAPHICS CONTROL</u>	COMPAQ - WORKSTATIONS	4007
<input checked="" type="checkbox"/> \$276.65	Buy	IM776426	Yes	<u>128MB MODULE REGISTERED SDRAM FOR WORKSTATION AP40</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$301.37	Buy	220959	Changes	<u>W/ULTRA SCSI CONTR PCI PRO WS XP1000</u>	COMPAQ - WORKSTATIONS	3882
<input checked="" type="checkbox"/> \$305.90	Buy	123965	Changes	<u>128MB 100MHZ UNBUFF SDRAM PRO WS AP200</u>	COMPAQ - WORKSTATIONS	1540
<input checked="" type="checkbox"/> \$308.17	Buy	215057	Changes	<u>6/350 512K PROC OPT KIT PRO WS AP400 AP500</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$308.17	Buy	215059	18	<u>6/400 512K PROC OPT KIT PRO WS AP400 AP500</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$331.10	Buy	IM204464	Changes	<u>128MB MODULE EEC 100MHZ UNREG SDRAM</u>	COMPAQ - WORKSTATIONS	1666
<input checked="" type="checkbox"/> \$342.65	Buy	IM204479	Changes	<u>CONTROLLER WIDE ULTRA SCSI PCI</u>	COMPAQ - WORKSTATIONS	3882
<input checked="" type="checkbox"/> \$345.95	Buy	IM775423	Yes	<u>PENTIUM 2 400/512K PROCESSOR P2 FOR CPW AP400</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$347.60	Buy	IM141023	Changes	<u>128MB 100MHZ UNBUFFERED SDRAM</u>	COMPAQ - WORKSTATIONS	1540
<input checked="" type="checkbox"/> \$350.35	Buy	IM776422	Yes	<u>PENTIUM 2 350/512K PROCESSOR P2 FOR CPW AP400</u>	COMPAQ - WORKSTATIONS	3177
<input checked="" type="checkbox"/> \$376.75	Buy	IM204468	Changes	<u>128MB MODULE EEC EDO BUFFERED DIMM 60NS</u>	COMPAQ - WORKSTATIONS	2719

FIG. 29

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Q P I C	<input type="checkbox"/> \$382.94	622350	<u>Changes</u>	6.4 GB ULTRA ATA 10 AP400 PRO WS	COMPAQ - WORKSTATIONS	3524
Q P I C	<input type="checkbox"/> \$398.81	220946	<u>2</u>	128MB 100MHZ SDRAM DIMM KIT 4X32MB PRO WS XP1000	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$398.81	220950	<u>Changes</u>	4.3 GB ULTRA2 SCSI HD PRO WS XP1000	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$411.27	216895	<u>3</u>	6/450 512K PROC OPT KIT PRO WS AP400 AP500	COMPAQ - WORKSTATIONS	3544
Q P I C	<input type="checkbox"/> \$435.05	IM776463	<u>Yes</u>	6.04GB EIDE ULTRAATA 5300RPM AP200	COMPAQ - WORKSTATIONS	3524
Q P I C	<input type="checkbox"/> \$436.19	220955	<u>Changes</u>	POWERSTORM 3000 GRAPHICS ADAPTER PRO WS XP1000	COMPAQ - WORKSTATIONS	1027
Q P I C	<input type="checkbox"/> \$437.80	IM264475	<u>Changes</u>	10GB EIDE UATA 7200RPM HARD DRIVE	COMPAQ - WORKSTATIONS	1274
Q P I C	<input type="checkbox"/> \$450.45	IM599141	<u>Yes</u>	PENTIUM 2 PROCESSOR BOARD WITH 266MHz PROC. 512K CA	COMPAQ - WORKSTATIONS	2702
Q P I C	<input type="checkbox"/> \$450.45	IM599169	<u>Yes</u>	PENTIUM 2 266/512K PROCESSOR P2 EOL	COMPAQ - WORKSTATIONS	2993
Q P I C	<input type="checkbox"/> \$453.20	IM776470	<u>Yes</u>	128MB SDRAM FOR XP1000	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$453.20	IM776482	<u>Yes</u>	4.30GB SCSI ULTRA2-WIDE 1 IN 7200RPM XP1000	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$456.50	IM776445	<u>Yes</u>	AP P2-150 PROCESSOR FOR AP200 AND AP500	COMPAQ - WORKSTATIONS	3544
Q P I C	<input type="checkbox"/> \$458.85	622402	<u>Changes</u>	SPACEBALL 4000 3D INPUT DEVICE PRO WS	COMPAQ - WORKSTATIONS	1121
Q P I C	<input type="checkbox"/> \$461.43	123967	<u>Changes</u>	TOWER TO RACK CONV KIT RM/AP500 AP700 PRO WS	COMPAQ - WORKSTATIONS	3385
Q P I C	<input type="checkbox"/> \$461.43	218506	<u>3</u>	TOWER TO RACK CONV KIT PRO WS 6000 AND 8000 KIT	COMPAQ - WORKSTATIONS	2702
Q P I C	<input type="checkbox"/> \$468.35	220720	<u>1</u>	TOWER TO RACK CONV KIT AP500 SP700 PRO WS RM KIT	COMPAQ - WORKSTATIONS	1247
Q P I C	<input type="checkbox"/> \$476.30	IM204477	<u>Changes</u>	13.5GB EIDE UATA 7200RPM HARD DRIVE	COMPAQ - WORKSTATIONS	2254
Q P I C	<input type="checkbox"/> \$477.95	IM599117	<u>Yes</u>	128MB MODULE (ECC EDO DIMM 60NS) F/ PROF WRKSTN	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$506.71	220952	<u>Changes</u>	4.3GB ULTRA2 SCSI HD 10K RPM PRO WS XP1000	COMPAQ - WORKSTATIONS	2425
Q P I C	<input type="checkbox"/> \$513.70	IM204470	<u>Changes</u>	2.1GB SCSI HARD DRIVE WIDE ULTRA 1 IN	COMPAQ - WORKSTATIONS	3385
Q P I C	<input type="checkbox"/> \$514.80	IM141829	<u>Changes</u>	RACK MOUNT CONVERSION KIT FOR AP500 AND SP700	COMPAQ - WORKSTATIONS	2702
Q P I C	<input type="checkbox"/> \$514.80	IM599142	<u>Yes</u>	RACK MOUNT CONVERSION KIT FOR 6000/8000	COMPAQ - WORKSTATIONS	3385
Q P I C	<input type="checkbox"/> \$514.80	IM776448	<u>Yes</u>	RACK MOUNT CONVERSION KIT FOR AP500 AND SP700	COMPAQ - WORKSTATIONS	1121
Q P I C	<input type="checkbox"/> \$521.40	IM141801	<u>Changes</u>	SPACEBALL 4000	COMPAQ - WORKSTATIONS	2993
Q P I C	<input type="checkbox"/> \$540.65	IM776456	<u>Yes</u>	MAGELLAN SPACEBALL 3003 9-BUTTON SERIAL PHOTO-OPT	COMPAQ - WORKSTATIONS	3395
Q P I C	<input type="checkbox"/> \$552.20	IM204475	<u>Changes</u>	9.1GB SCSI HARD DRIVE 1 IN	COMPAQ - WORKSTATIONS	1443
Q P I C	<input type="checkbox"/> \$565.36	123969	<u>Changes</u>	2CH ULTRA 3/WSCSI PCI CONTR PRO WS DESKTOP	COMPAQ - WORKSTATIONS	4023
Q P I C	<input type="checkbox"/> \$565.36	622400	<u>Changes</u>	1CH 4MB ULTRA2 SCSI ARRAY CONTR PCI MYLEX PRO WS	COMPAQ - WORKSTATIONS	3048
Q P I C	<input type="checkbox"/> \$578.05	IM204472	<u>Changes</u>	2.3GB SCSI HARD DRIVE WIDE ULTRA10K RPM 1 IN	COMPAQ - WORKSTATIONS	3882
Q P I C	<input type="checkbox"/> \$578.05	IM776479	<u>Yes</u>	4.30GB SCSI ULTRA-WIDE 1 IN XP1000 1000RPM	COMPAQ - WORKSTATIONS	3882

FIG. 30

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Q:P:1:C	<input type="checkbox"/> \$511.80	123975	Changes	256MB 100MHZ UNBUFF SDRAM PRO WS AP200	COMPAQ - WORKSTATIONS	1540	
Q:P:1:C	<input type="checkbox"/> \$616.33	220960	Changes	W/ULTRA DIFFERENTIAL LVD SCSI CONTR PRO WS XP1000	COMPAQ - WORKSTATIONS	3882	
Q:P:1:C	<input type="checkbox"/> \$616.55	IM204401	Changes	4.3 GB SCSI WIDE ULTRA HARD DRIVE	COMPAQ - WORKSTATIONS	2943	
Q:P:1:C	<input type="checkbox"/> BuyD	IM141854	Yes	MYLEX ACCELERA RAID 150 ARRAY CONTROLLER	COMPAQ - WORKSTATIONS	4023	
Q:P:1:C	<input type="checkbox"/> BuyD	216802	17	256MB SDRAM DIMM AP400 AP500 SP700 PRO WS 100MHZ	COMPAQ - WORKSTATIONS	3177	
Q:P:1:C	<input type="checkbox"/> BuyD	IM141827	Changes	ULTRA3 DUAL CHANNEL SCSI CONTROLLER	COMPAQ - WORKSTATIONS	1443	
Q:P:1:C	<input type="checkbox"/> BuyD	IM677.70	IM599170	Yes	PENTIUM II 300/512K PROCESSOR P2	COMPAQ - WORKSTATIONS	2993
Q:P:1:C	<input type="checkbox"/> BuyD	IM776461	Yes	9.10GB SCSI ULTRA-WIDE 1 IN 10K RPM	COMPAQ - WORKSTATIONS	3363	
Q:P:1:C	<input type="checkbox"/> BuyD	IM678.65	123971	Changes	PRO WS 3DLABS OXYGEN GVX1 AGP GRAPHICS CARD	COMPAQ - WORKSTATIONS	1363
Q:P:1:C	<input type="checkbox"/> BuyD	IM684.20	IM776432	Yes	256MB SDRAM FOR AP400	COMPAQ - WORKSTATIONS	3177
Q:P:1:C	<input type="checkbox"/> BuyD	IM684.31	220951	Changes	9.1GB ULTRA2 SCSI HD PRO WS XP1000	COMPAQ - WORKSTATIONS	3882
Q:P:1:C	<input type="checkbox"/> BuyD	IM687.50	IM141824	Changes	256MB 100MHZ UNBUFFERED SDRAM	COMPAQ - WORKSTATIONS	1540
Q:P:1:C	<input type="checkbox"/> BuyD	IM691.90	IM204469	Changes	256MB MODULE EDO BUFFERED DIMM 60NS	COMPAQ - WORKSTATIONS	2719
Q:P:1:C	<input type="checkbox"/> BuyD	IM691.90	IM204480	Changes	CONTROLLER DIFFERENTIAL WIDE ULTRA SCSI PCI	COMPAQ - WORKSTATIONS	3882
Q:P:1:C	<input type="checkbox"/> BuyD	IM719.43	920842	1	P2/500 512K PROC OPT KIT PRO WS AP400 AP500	COMPAQ - WORKSTATIONS	1019
Q:P:1:C	<input type="checkbox"/> BuyD	IM733.03	220957	Changes	4/8GB DAT INT TAPE DDS2 SCSI2 PRO WS XP1000	COMPAQ - WORKSTATIONS	3882
Q:P:1:C	<input type="checkbox"/> BuyD	IM762.30	IM141826	Changes	3DLABS OXYGEN GVX1 AGP GRAPHICS CONTROLLER	COMPAQ - WORKSTATIONS	1363
Q:P:1:C	<input type="checkbox"/> BuyD	IM763.40	IM599173	Yes	SPACEBALL 3D INPUT DEVICE NALA	COMPAQ - WORKSTATIONS	2993
Q:P:1:C	<input type="checkbox"/> BuyD	IM768.90	IM776483	Yes	9.10GB SCSI ULTRAWIDE 1 IN 7200RPM XP1000	COMPAQ - WORKSTATIONS	3882
Q:P:1:C	<input type="checkbox"/> BuyD	IM789.80	IM134574	Yes	AP P2/500 PROCESSOR FOR AP400 AND AP500	COMPAQ - WORKSTATIONS	1019
Q:P:1:C	<input type="checkbox"/> BuyD	IM797.61	220947	Changes	256MB 100MHZ SDRAM DIMM KIT 4X64MB PRO WS XP1000	COMPAQ - WORKSTATIONS	3882
Q:P:1:C	<input type="checkbox"/> BuyD	IM805.20	IM134615	Yes	MATROX PRODUCTIVA G400 PCI MULTI-MONITOR 1170 Q399	COMPAQ - WORKSTATIONS	1014
Q:P:1:C	<input type="checkbox"/> BuyD	IM814.61	123968	Changes	18.2GB 1 IN HD UCSCSI HD PRO WS DESKTOP	COMPAQ - WORKSTATIONS	1476
Q:P:1:C	<input type="checkbox"/> BuyD	IM816.20	IM776400	Yes	P2-333 512K PROCESSOR BOARD 333/512 FIPROF WORKSTA	COMPAQ - WORKSTATIONS	2696
Q:P:1:C	<input type="checkbox"/> BuyD	IM776417	Yes	P2-333E 512K PROCESSOR WP2 PROCESSOR BOARD FOR CP	COMPAQ - WORKSTATIONS	2696	
Q:P:1:C	<input type="checkbox"/> BuyD	IM776409	Yes	P2-333 512K PROCESSOR FOR CPW 5100	COMPAQ - WORKSTATIONS	2696	
Q:P:1:C	<input type="checkbox"/> BuyD	IM599119	Yes	PPRO-200 256K CACHE KIT WORKSTATION 5000	COMPAQ - WORKSTATIONS	2472	
Q:P:1:C	<input type="checkbox"/> BuyD	IM776471	Yes	256MB SDRAM FOR XP1000	COMPAQ - WORKSTATIONS	3882	
Q:P:1:C	<input type="checkbox"/> BuyD	IM141928	Changes	18.2GB SCSI ULTRA3 1 IN HARD DRIVE	COMPAQ - WORKSTATIONS	1475	
Q:P:1:C	<input type="checkbox"/> BuyD	IM897292	Yes	POWERSTORM 300 AGP 16MB CDRAM GRAPHICS CONTROLLER	COMPAQ - WORKSTATIONS	3287	

FIG. 31

<input type="checkbox"/> \$922.90	IM897293	<u>Changes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$943.00	IM204465	<u>Changes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$950.57	220953	<u>2</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$952.60	IM204473	<u>Changes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$964.16	623367	<u>35</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$977.76	622399	<u>Changes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$1,014.20	IM204482	<u>Changes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$1,032.90	IM599108	<u>Yes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$1,061.50	IM141797	<u>Yes</u>	COMPAQ - WORKSTATIONS
<input type="checkbox"/> \$1,067.00	IM776480	<u>Yes</u>	COMPAQ - WORKSTATIONS

POWERSTORM 300 PCI 16MB CDRAM GRAPHIC CONTROLLER  
256MB MODULE ECC 100MHZ UNREG SDRAM  
9.1GB ULTRA2 SCSI HD 10K RPM PRO WS XP1000  
9.1GB SCSI HARD DRIVE WIDE ULTRA 1 IN  
12/24GB DATA INT TAPE 4MM DDS3 SCSI LTD.(OPAL)  
P3/550-512K PROC OPT KIT PRO WS AP400 AP500  
9.1GB SCSI WIDE ULTRA HD  
GLORIA-L 3D PCI GRAPHICS CONTROLLER FOR WORKSTATION  
PENTIUM P3-550/512K PROCESSOR FOR AP500  
9.10GB SCSI ULTRA2-WIDE 1 IN 10K RPM XP1000

Next Page**FIG. 32**

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**SEARCH OUR MALL** of over 120,000 Products and ServicesEnter one or more words to locate a product  or use [Power Search](#)

<input type="button" value="Home"/>	<input type="button" value="Power Search"/>	<input type="button" value="Cart"/>	<input type="button" value="Checkout"/>	<input type="button" value="Manufacturer"/>	<input type="button" value="Departments"/>	<input type="button" value="Services"/>
-------------------------------------	---	-------------------------------------	---	---	--	---

*Email**This Page***PRODUCT INFORMATION COMPARISON CHART****Quick Compare****NTL 24X7 S1 1000 SUPPORT**

Items listed are priced within 25% in same category.

This is a price comparison. Items may not be equivalent.

	<input type="button" value="Buy↓"/>	<input type="button" value="Buy↑"/>	<input type="button" value="Buy↓"/>	<input type="button" value="Buy↑"/>	<input type="button" value="Buy↓"/>	<input type="button" value="Buy↑"/>
Description	NETSHIELD SECURITY STE 2001-3000 N PERPET	ACK-68P-50P CONVERT ADPT FOR LW	Educational Institutions Only CHECK 2000 PC DLX	Educational Institutions Only CHECK 2000 PC C/S	NTL24X7 S1000 SUPPORT	NTL24X7 S1000 SUPPORT
Manufacturer	NETWORK ASSOC LICENSE	ADAPTEC CONTROLLERS	GREENWICH MEAN TIME	GREENWICH MEAN TIME	NETWORK ASSOC SUPP/SVC	NETWORK ASSOC SUPP/SVC
Manuf Part#	NISEDROTTNA400P20	ACK-68P-50P-IU	468DLX-4999E	CS468-4000	NTL24X7NASS1000	NTL24X7NASS1000
Our Part#	244750	070267	083779	083798	487220	487220
Price	29.45	29.44	29.44	29.44	29.44	29.44
Quantity	Changes	283	Changes	Changes	Changes	Changes
Weight	0.05 lbs	0.05 lbs	1.00 lbs	1.00 lbs	0.50 lbs	0.50 lbs
Manufacturer	Adaptec	Adaptec	Greenwich Mean Time	Greenwich Mean Time		
Cable Style	SCSI	SCSI				

**FIG. 33**

Cable Environment		Hard Drive Tape Drive CD-ROM Drive Optical Drive
Internal/External	Internal	
Length	1in	
Primary/Source Connector	(1) 68-Pin Socket Female	
Secondary/Device Connector	50-Pin Socket Female	
Number of Sec/Device Connector(s)	1	
Cable	Shielded	
Material/Characteristics		Year 2000 Compliant
Misc Features		Utility
Software Type		Server
License		Client
Number of Users		Academic
Media Included		2000-4999 User
Operating Systems Supported		CD-ROM
Minimum OS Version 1		License
Description 1	Windows NT Windows 98 Windows 95	Year 2000 Compliant
Description 2	Windows NT v4.0 w/ Service Pack 3	Other Utilities
Description 3	Thorough year 2K testing tool for stand-alone PCs	Certain Number of Users
Description 4	Check 2000 PC Deluxe	Academic
Description 5	Test and fixes the BIOS,	2000-4999 User
Minimum System RAM Required	PC, test the PC's operating systems and S/N	CD-ROM
Required Equipment	applications, scans the data files on your PC, and includes a free video.	Network Adapter

FIG. 34

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Server: OS Supported		Windows NT NetWare	
Server: Minimum OS Version 1		Windows NT 3.51/4.0	
Client: OS Supported		DOS Windows Windows NT Windows 95 Windows for Workgroups	
Client: Minimum OS Version 1		Windows 3.x, Windows NT 4.0	

FIG. 35

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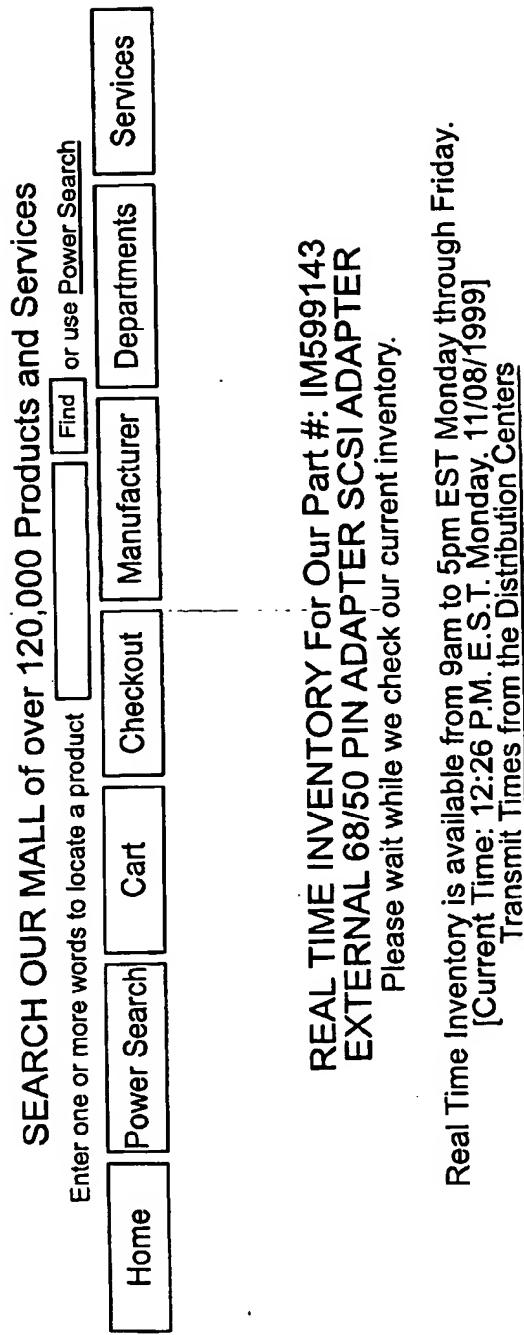


FIG. 36

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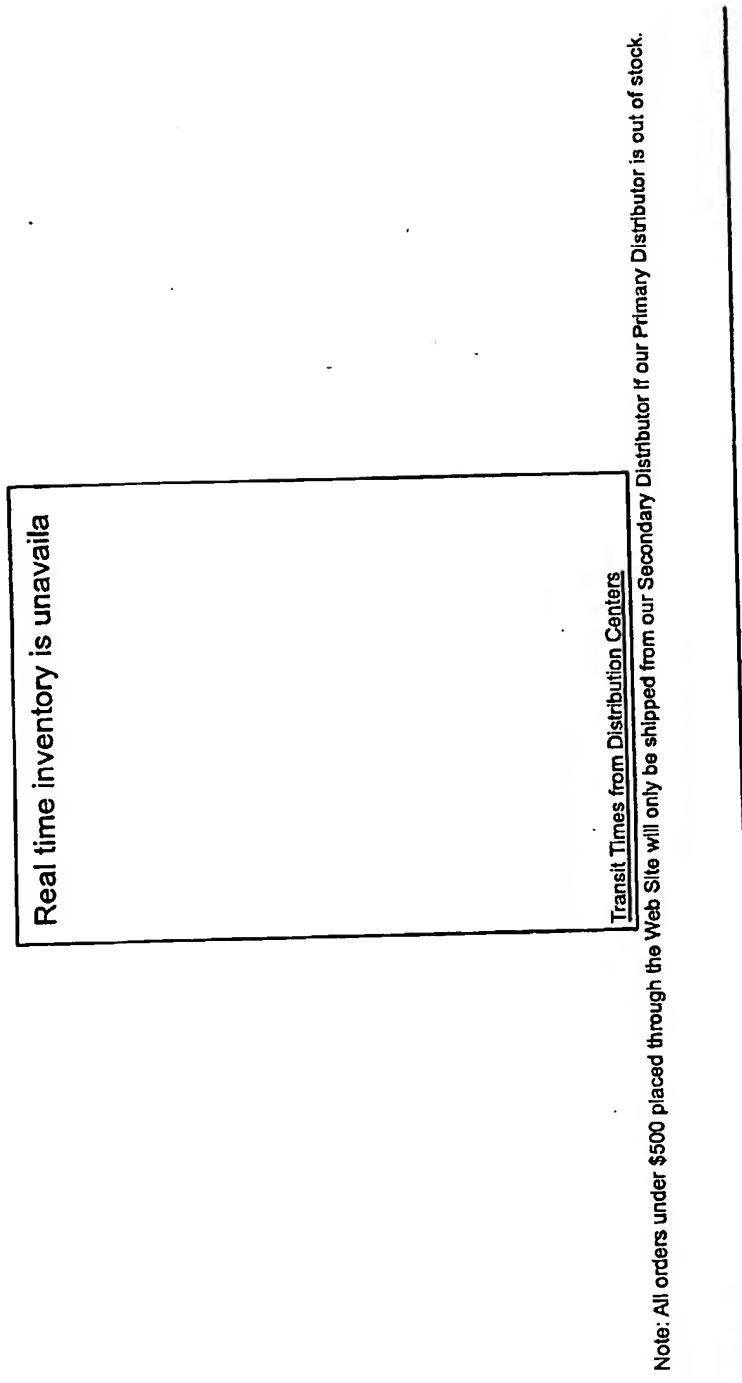


FIG. 37

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**SEARCH OUR MALL of over 120,000 Products and Services**Enter one or more words to locate a product   or use [Power Search](#)

<a href="#">Home</a>	<a href="#">Power Search</a>	<a href="#">Cart</a>	<a href="#">Checkout</a>	<a href="#">Manufacturer</a>	<a href="#">Departments</a>	<input type="text"/>
----------------------	------------------------------	----------------------	--------------------------	------------------------------	-----------------------------	----------------------

LABOR CATEGORY	GSA RATE PER HOUR
Project Manager	\$126.06
Software Developer	\$78.79
Training Specialist	\$131.31
Senior Network Engineer	\$105.05
Network Engineer	\$78.79
Jr. Network Engineer	\$68.28
Senior Communications Specialist	\$84.04
Applications Engineer	\$57.78

---

**FIG. 38**

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**SEARCH OUR MALL** of over 120,000 Products and Services

Enter one or more words to locate a product   or use

### Final Checkout

#### IF YOU KNOW YOUR PASSWORD

Email  Password

Ship To Address:  
(Sorry, no PO BOXES)

Company:

First Name:

Last Name:

Address:

City:

State:  ▼

Zip:

Work Phone:

Billing Address  
If different from Ship to:

Company:

First Name:

Last Name:

Address:

City:

State:  ▼

Zip:

### FIG. 39

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**E-mail /  
Password**

Email  
Password  
Re-enter password to confirm  
Optional - Heard about us from:  
Choose Salesperson: (If Known)  


Choose Customer Type:

 Corporate-Large 

Description	Part#	Price	Qty	Amount
Computer: 18.2GB 1IN HD UCSCSI HD PRO WS/DESKTOP (COMPAQ - WORKSTATIONS) <a href="#">[Delete]</a>	123968	\$814.61	<input type="checkbox"/> 1	\$814.61
Computer: EXTERNAL 68/50 PIN ADAPTER SCSI ADAPTER (COMPAQ - WORKSTATIONS) <a href="#">[Delete]</a>	IM599143	\$31.11	<input type="checkbox"/> 1	\$31.11
Sub-total				\$845.72
Shipping By "Ground" Shipping Options: <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/>				17.90
Tax (Resident of VA? <input type="radio"/> Yes <input type="radio"/> No)				0.00
Total				\$863.62
<input type="text"/>				

**Payment Information**

Enter credit card information below. We prefer Visa, MasterCard,  
American Express and Discover.

Credit Card Number  


Expiration Date:

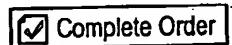
 01   1999 Bank Phone (From the back of  
your credit card):  


FIG. 40

To prevent credit card fraud all items we ship are traceable and we will prosecute any fraud. Orders must ship to the address where your credit card statement is sent to or to an address that is registered with your credit card issuing bank. If you do not enter the correct address, then we cannot process your order. To register an address with the issuing bank, just call the Customer Service number which is located on the back of your credit card. Thank You.

Ship all items together

(Note: If above is checked nothing will ship until all items are in stock.)



Orders placed before 4:00 PM EST, Monday - Friday, will ship that day.

**FIG. 41**

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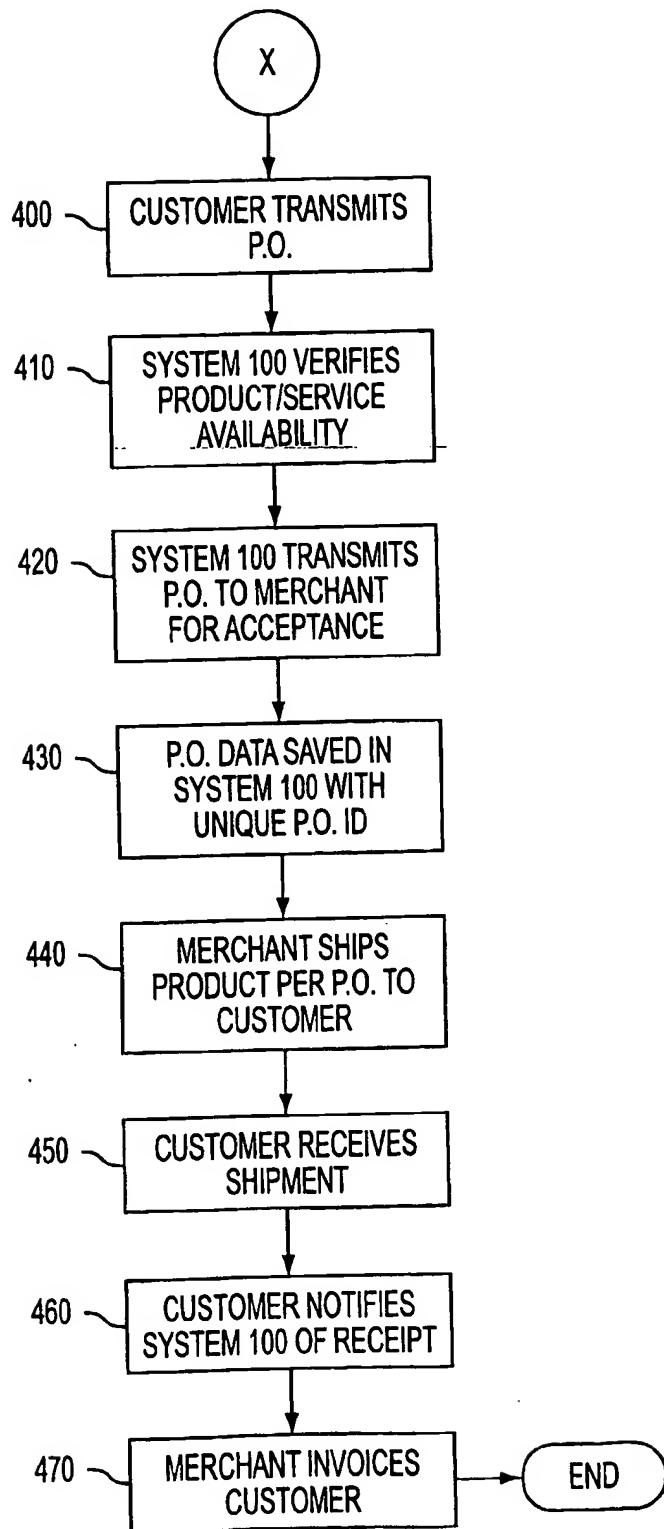


FIG. 42

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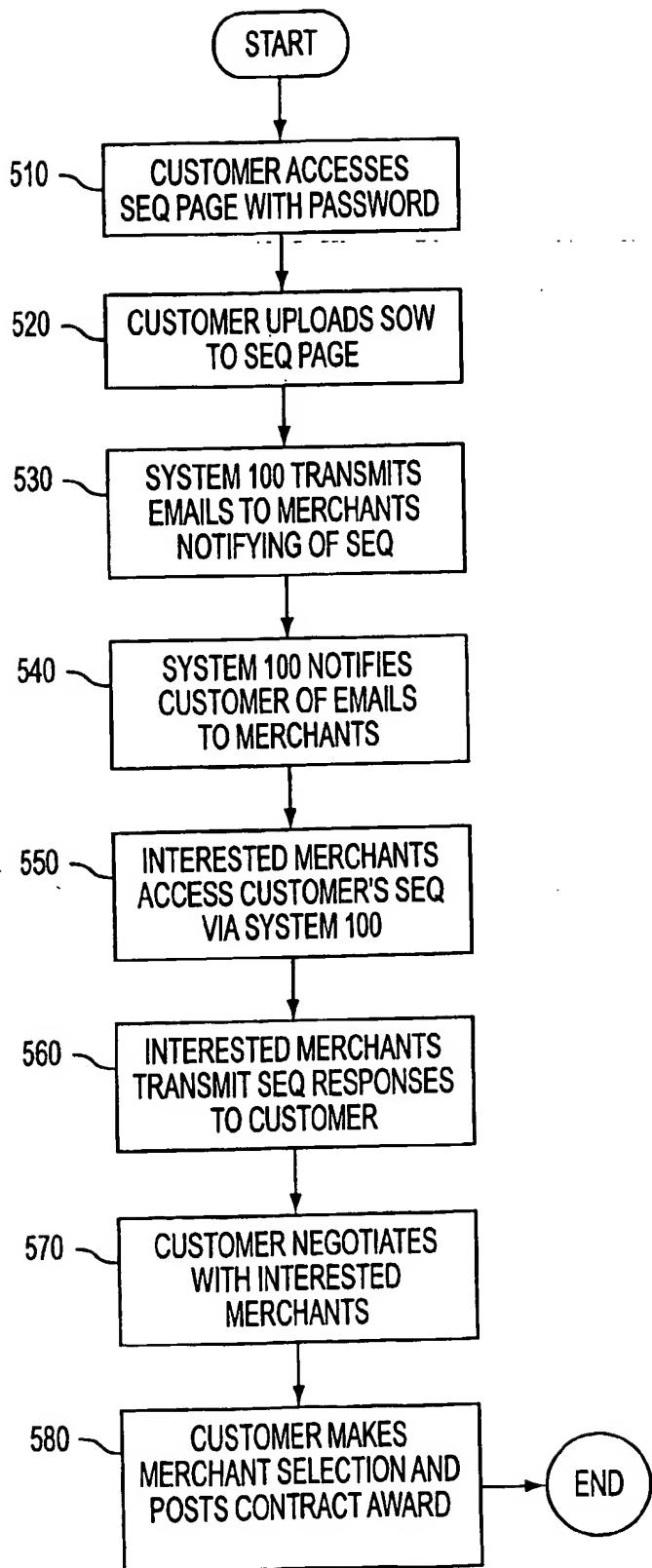


FIG. 43